



ArtSoft
Division of Newfangled Solutions



Mach3 OEM FUNCTIONS

Buttons, Dros, Leds

V1.01

OEM FUNCTIONS Sorted By Type then Number

Type	Number	VB Call	Function Description
Button	0	DoButton	Screen select
Button	1	DoButton	Screen select Program Run screen 1
Button	2	DoButton	Screen select MDI screen select 2
Button	3	DoButton	Screen select Toolpath screen select 3
Button	4	DoButton	Screen select Positioning screen select 4
Button	5	DoButton	Screen select Diagnostics screen select 5
Button	6	DoButton	Screen select Corrections screen select 6
Button	7	DoButton	Screen select Tables screen select 7
Button	8	DoButton	Screen Select
Button	9	DoButton	Screen Select
Button	10	DoButton	Screen Select
Button	99	DoButton	Screen Select
Button	100	DoOemButton	Inc Inc Up 100
Button	101	DoOemButton	Inc Inc Down 101
Button	102	DoOemButton	Reset Interp 102
Button	103	DoOemButton	Jog mode toggle 103
Button	104	DoOemButton	Goto Safe Z 104
Button	105	DoOemButton	"Home Z then X then Y, A, B, C - set machine
Button	106	DoOemButton	Units 106
Button	107	DoOemButton	Mach coords 107
Button	108	DoOemButton	Feed raise 108
Button	109	DoOemButton	Feed lower 109

Button	110	DoOemButton	"Spindle CW, reset THC height 110 "
Button	111	DoOemButton	Slow Jog Up 111
Button	112	DoOemButton	Slow Jog Dn 112
Button	113	DoOemButton	Flood toggle 113
Button	114	DoOemButton	Mist toggle 114
Button	115	DoOemButton	Edit G-code 115
Button	116	DoOemButton	Zero radius DRO on X 116
Button	117	DoOemButton	Zero radius DRO on Y 117
Button	118	DoOemButton	Zero radius DRO on Z 118
Button	119	DoOemButton	Software limits 119
Button	120	DoOemButton	Touch button for Tool length offset 120
Button	121	DoOemButton	Tool Tab Save 121
Button	122	DoOemButton	Fixture Tab Save 122
Button	123	DoOemButton	Torch Enable Toggle 123
Button	124	DoOemButton	Torch Cal Zero 124
Button	125	DoOemButton	Enc Load X 125
Button	126	DoOemButton	Enc To X 126
Button	127	DoOemButton	Enc Load Y 127
Button	128	DoOemButton	Enc To Y 128
Button	129	DoOemButton	Enc Load Z 129
Button	130	DoOemButton	Enc To Z 130
Button	131	DoOemButton	Toggle Mill/Turn mode 131
Button	132	DoOemButton	Tool Path Toggle 132
Button	133	DoOemButton	Zero X Encoder 133
Button	134	DoOemButton	Zero Y Encoder 134
Button	135	DoOemButton	Zero Z Encoder 135
Button	136	DoOemButton	Tool Offset Tog 136
Button	137	DoOemButton	Fixture Off 137

Button	138	DoOemButton	Go Home 138
Button	139	DoOemButton	Part X Offset Touch 139
Button	140	DoOemButton	Part Y Offset Touch 140
Button	141	DoOemButton	Part Z Offset Touch 141
Button	142	DoOemButton	Part A Offset Touch 142
Button	143	DoOemButton	Part B Offset Touch 143
Button	144	DoOemButton	Part C Offset Touch 144
Button	145	DoOemButton	Tool X Offset Touch 145
Button	146	DoOemButton	Tool Z Offset Touch 146
Button	147	DoOemButton	Joy Throttle select 147
Button	148	DoOemButton	Touch Corr Enable Toggle 148
Button	149	DoOemButton	Auto Lim Override Toggle 149
Button	150	DoOemButton	OverRide Limits 150
Button	151	DoOemButton	SS on Act4 Toggle 151
Button	152	DoOemButton	reserved 152
Button	153	DoOemButton	reserved 153
Button	154	DoOemButton	reserved 154
Button	155	DoOemButton	Units/rev - Units/min toggle 155
Button	156	DoOemButton	Set this line as next to execute 156
Button	157	DoOemButton	Jog Follow 157
Button	158	DoOemButton	Joystick ON 158
Button	159	DoOemButton	Joystick OFF 159
Button	160	DoOemButton	Regen toolpath display 160
Button	161	DoOemButton	Zero X-Z to stock as defined in DROs (Turn)
161	162	DoOemButton	Coordinate mode (G90/91) 162
Button	163	DoOemButton	Raise spindle speed 163
Button	164	DoOemButton	Lower spindle speed 164
Button	165	DoOemButton	Laser Probe Enable Toggle 165

Button	166	DoOemButton	Zero laser grid at current location 166
Button	167	DoOemButton	Z inhibit toggle 167
Button	168	DoOemButton	Ignore Tool Change toggle 168
Button	169	DoOemButton	Close current file 169
Button	170	DoOemButton	Re-load last file 170
Button	171	DoOemButton	Jog increment cycle 171
Button	172	DoOemButton	Clear error label 172
Button	173	DoOemButton	Spindle CCW toggle 173
Button	174	DoOemButton	Parallel Port Encoder3 MPG Jog Toggle 174
Button	175	DoOemButton	Cycle axis controlled by MPG 1 175
Button	176	DoOemButton	"Block Delete "switch" toggle 176 "
Button	177	DoOemButton	"Optional Stop "switch" toggle 177 "
Button	178	DoOemButton	Offline toggle 178
Button	179	DoOemButton	Display Abs Machine coordinates
Button	180	DoOemButton	Display Work + G92 coordinates
Button	181	DoOemButton	Display Work coords (i.e. not with G92) 181
Button	182	DoOemButton	??? Toggle Spindle actual 182
Button	183	DoOemButton	
Button	184	DoOemButton	"Home X, Home Z (Turn) 184 "
Button	185	DoOemButton	Select X for MPG 1 185
Button	186	DoOemButton	Select Y for MPG 1 186
Button	187	DoOemButton	Select Z for MPG 1 187
Button	188	DoOemButton	Select A for MPG 1 188
Button	189	DoOemButton	Select B for MPG 1 189
Button	190	DoOemButton	Select C for MPG 1 190
Button	191	DoOemButton	Select Jog Increment 1 191
Button	192	DoOemButton	Select Jog Increment 2 192
Button	193	DoOemButton	Select Jog Increment 3 193

Button	194	DoOemButton	Select Jog Increment 4	194
Button	195	DoOemButton	Select Jog Increment 5	195
Button	196	DoOemButton	Select Jog Increment 6	196
Button	197	DoOemButton	Select Jog Increment 7	197
Button	198	DoOemButton	Select Jog Increment 8	198
Button	199	DoOemButton	Select Jog Increment 9	199
Button	200	DoOemButton	Select Jog Increment 10	200
Button	201	DoOemButton	Feed override Off	201
Button	202	DoOemButton	Feed override Jog	202
Button	203	DoOemButton	Feed override Feed	203
Button	204	DoOemButton	Jog mode Continuous (same as button 276)	204
Button	205	DoOemButton	Jog mode Step (same as button 275)	205
Button	206	DoOemButton	Joystick On	206
Button	207	DoOemButton	Joystick Off	207
Button	208	DoOemButton	Clear Z tool offset (Turn)	208
Button	209	DoOemButton	Clear X tool offset (Turn)	209
Button	210	DoOemButton	Set stock correction to Zero (Turn)	210
Button	211	DoOemButton	Home X Home Z (Turn)	211
Button	212	DoOemButton	Home X (Turn)	212
Button	213	DoOemButton	Home Z (Turn)	213
Button	214	DoOemButton	Show recent G-code files list	214
Button	215	DoOemButton	Display history	215
Button	216	DoOemButton	Load G-code	216
Button	217	DoOemButton	Tool flip toggle (Turn front/rear toolposts)	
Button	218	DoOemButton	Z-inhibit ON	218
Button	219	DoOemButton	Z-inhibit OFF	219
Button	220	DoOemButton	Port Bit-Test Set (diagnostic)	220
Button	221	DoOemButton	Anti-dive enabled toggle	221

Button	222	DoOemButton	THC Anti-dive OFF 222
Button	223	DoOemButton	THC Anti-dive ON 223
Button	224	DoOemButton	Flood ON 224
Button	225	DoOemButton	Flood OFF 225
Button	226	DoOemButton	Mist ON 226
Button	227	DoOemButton	Mist OFF 227
Button	228	DoOemButton	Load Teach file 228
Button	229	DoOemButton	Toolpath Machine/Job toggle 229
Button	230	DoOemButton	Display Wizard selection window 230
Button	231	DoOemButton	Load the normal screens when Wizard done 231
Button	232	DoOemButton	Simple Complex screen toggle 232
Button	233	DoOemButton	Output 4 ON 233
Button	234	DoOemButton	Output 4 OFF 234
Button	235	DoOemButton	Output 5 ON 235
Button	236	DoOemButton	Output 5 OFF 236
Button	237	DoOemButton	Output 6 ON 237
Button	238	DoOemButton	Output 6 OFF 238
Button	239	DoOemButton	Set Help context 239
Button	240	DoOemButton	Def-Ref all axes 240
Button	241	DoOemButton	Tangential toggle 241
Button	242	DoOemButton	Save XYZ to G59.254 work offset 242
Button	243	DoOemButton	do G0G53 to G59.254 offset location 243
Button	244	DoOemButton	Move to G59.254 with midpoint selection 244
Button	245	DoOemButton	Toggle Jog Mode through Cont/Step/MPG
Button	246	DoOemButton	Force Referenced on all axes 246
Button	247	DoOemButton	CV feed toggle 247
Button	248	DoOemButton	CV feed OFF 248
Button	249	DoOemButton	CV feed ON 249

Button	250	DoOemButton	Disable movement on axis X 250
Button	251	DoOemButton	Disable movement on axis Y 251
Button	252	DoOemButton	Disable movement on axis Z 252
Button	253	DoOemButton	Disable movement on axis A 253
Button	254	DoOemButton	Disable movement on axis B 254
Button	255	DoOemButton	Disable movement on axis C 255
Button	256	DoOemButton	Machine Coordinates toggle 256
Button	257	DoOemButton	Engine OFFline 257
Button	258	DoOemButton	Engine ONline 258
Button	259	DoOemButton	Select encoder jog on axis X 259
Button	260	DoOemButton	Select encoder jog on axis Y 260
Button	261	DoOemButton	Select encoder jog on axis Z 261
Button	262	DoOemButton	Select encoder jog on axis A 262
Button	263	DoOemButton	Select encoder jog on axis B 263
Button	264	DoOemButton	Select encoder jog on axis C 264
Button	265	DoOemButton	Select Step value 1 265
Button	266	DoOemButton	Select Step value 2 266
Button	267	DoOemButton	Select Step value 3 267
Button	268	DoOemButton	Select Step value 4 268
Button	269	DoOemButton	Select Step value 5 269
Button	270	DoOemButton	Select Step value 6 270
Button	271	DoOemButton	Select Step value 7 271
Button	272	DoOemButton	Select Step value 8 272
Button	273	DoOemButton	Select Step value 9 273
Button	274	DoOemButton	Select Step value 10 274
Button	275	DoOemButton	Set Jog mode STEP (same as button 205) 275
Button	276	DoOemButton	Set Jog mode CONT (same as button 204) 276
Button	277	DoOemButton	Increment feedrate 277

Button	278	DoOemButton	Decrement feedrate 278
Button	279	DoOemButton	Run reverse 279
Button	280	DoOemButton	Switch to last used Wizard 280
Button	281	DoOemButton	Cycle axis controlled by MPG 2 281
Button	282	DoOemButton	Toggle taper mode on MPG 2 282
Button	283	DoOemButton	Toggle dual MPG flag 283
Button	284	DoOemButton	Toggle shuttle mode for MPG 284
Button	285	DoOemButton	Return to paused state 285
Button	286	DoOemButton	Remember paused state 286
Button	287	DoOemButton	Toggle override of rapid feeds 287
Button	288	DoOemButton	Crop current dwell now 288
Button	289	DoOemButton	??? Set formulas 289
Button	290	DoOemButton	Inhibit jog of X axis 290
Button	291	DoOemButton	Inhibit jog of Y axis 291
Button	292	DoOemButton	Inhibit jog of Z axis 292
Button	293	DoOemButton	Inhibit jog of A axis 293
Button	294	DoOemButton	Inhibit jog of B axis 294
Button	295	DoOemButton	Inhibit jog of C axis 295
Button	296	DoOemButton	Do screw calibration routine 296
Button	297	DoOemButton	Unconditional crop any dwell now 297
Button	298	DoOemButton	reserved 298
Button	299	DoOemButton	Toggle bypass feed (enables value in OEM DRO
Button	300	DoOemButton	Toggle current tool is in front toolpost 300
Button	301	DoOemButton	Code for OEMTriggers runs the macro
Button	302	DoOemButton	Cycle MPG jogging mode 302
Button	303	DoOemButton	Set MPG jogging mode = Velocity 303
Button	304	DoOemButton	Set MPG jogging mode = Velocity/Step 304
Button	305	DoOemButton	Set MPG jogging mode = do single exact steps

Button	306	DoOemButton	Set MPG jogging mode = do multiple exact
Button	307	DoOemButton	Push to jog X++ 307
Button	308	DoOemButton	Push to jog X-- 308
Button	309	DoOemButton	Push to jog Y++ 309
Button	310	DoOemButton	Push to jog Y-- 310
Button	311	DoOemButton	Push to jog Z++ 311
Button	312	DoOemButton	Push to jog Z-- 312
Button	313	DoOemButton	Push to jog A++ 313
Button	314	DoOemButton	Push to jog A-- 314
Button	315	DoOemButton	Calibrate MPGs 315
Button	316	DoOemButton	Save tool table 316
Button	317	DoOemButton	Save work offset table 317
Button	318	DoOemButton	Drag on toolpath does Zoom toggle 318
Button	319	DoOemButton	Drag on toolpath does Pan toggle 319
Button	320	DoOemButton	Display Wizard select dialog 320
Button	321	DoOemButton	Run Newfangled Wizard 321
Button	322	DoOemButton	Emergency bailout - tester use only 322
Button	323	DoOemButton	Toggle visibility of screen 50 323
Button	324	DoOemButton	Turn mode tool touch off X axis 324
Button	325	DoOemButton	Toggle use of spindle to control Torch volt
Button	326	DoOemButton	Turn mode tool touch off Z axis 326
Button	327	DoOemButton	Select MPG jog mode 327
Button	328	DoOemButton	unknown 328
Button	328	DoOemButton	
Button	329	DoOemButton	Push to Jog B++ 329
Button	330	DoOemButton	Push to Jog B-- 330
Button	331	DoOemButton	Push to Jog C++ 331
Button	332	DoOemButton	Push to Jog C-- 332

Button	333	DoOemButton	Toggle axis DROs display Dist to Go 333
Button	334	DoOemButton	Toggle X jog off 334
Button	335	DoOemButton	Toggle Y jog off 335
Button	336	DoOemButton	Toggle Z jog off 336
Button	337	DoOemButton	Toggle A jog off 337
Button	338	DoOemButton	Toggle B jog off 338
Button	339	DoOemButton	Toggle C jog off 339
Button	340	DoOemButton	Set a temporary softlimit minimum at loc
Button	341	DoOemButton	Set a temporary softlimit maximum at loc
Button	346	DoOemButton	reserved 343 - 347
Button	347	DoOemButton	
Button	348	DoOemButton	Turn off display of menu bar 348
Button	349	DoOemButton	Turn on display of menu bar 349
Button	350	DoOemButton	Increment spindle speed by value not %
Button	351	DoOemButton	Decrement spindle speed by value not %
Button	352	DoOemButton	Jog X and A axis ++ together (foam machines)
Button	353	DoOemButton	Jog X and A axis -- together (foam machines)
Button	354	DoOemButton	Jog Y and A axis ++ together (foam machines)
Button	355	DoOemButton	Jog Y and A axis -- together (foam machines)
Button	356	DoOemButton	
Button	357	DoOemButton	
Button	358	DoOemButton	
Button	359	DoOemButton	
Button	366	DoOemButton	
Button	367	DoOemButton	
Button	368	DoOemButton	
Button	369	DoOemButton	
Button	370	DoOemButton	

Button	371	DoOemButton	
Button	372	DoOemButton	
Button	373	DoOemButton	
Button	374	DoOemButton	
Button	375	DoOemButton	
Button	378	DoOemButton	
Button	1000	DoOemButton	Cycle start 1000
Button	1001	DoOemButton	Pause (Feed Hold) 1001
Button	1002	DoOemButton	Rewind 1002
Button	1003	DoOemButton	Stop 1003
Button	1004	DoOemButton	Single 1004
Button	1005	DoOemButton	Resume 1005
Button	1006	DoOemButton	Edit File 1006
Button	1007	DoOemButton	Zero All 1007
Button	1008	DoOemButton	Zero X 1008
Button	1009	DoOemButton	Zero Y 1009
Button	1010	DoOemButton	Zero Z 1010
Button	1011	DoOemButton	Zero A 1011
Button	1012	DoOemButton	Zero B 1012
Button	1013	DoOemButton	Zero C 1013
Button	1014	DoOemButton	Feedrate reset 1014
Button	1015	DoOemButton	Estimate Job 1015
Button	1016	DoOemButton	Run from here 1016
Button	1017	DoOemButton	GotoZs 1017
Button	1018	DoOemButton	Coord System 1018
Button	1020	DoOemButton	Verify 1020
Button	1021	DoOemButton	Reset 1021
Button	1022	DoOemButton	Ref X 1022

Button	1023	DoOemButton	Ref Y 1023
Button	1024	DoOemButton	Ref Z 1024
Button	1025	DoOemButton	Ref A 1025
Button	1026	DoOemButton	Ref B 1026
Button	1027	DoOemButton	Ref C 1027
Button	1028	DoOemButton	Joystick Toggle 1028
Button	1029	DoOemButton	Softlimits Toggle 1029
Button	1030	DoOemButton	Radius Tracking Toggle 1030
Button	1031	DoOemButton	Jog Toggle 1031
Button		DoOemButton	
DRO	1	GetDRO/SetDRO	Jog Inc Inc DRO 1
DRO	2	GetDRO/SetDRO	Pulse Freq DRO 2
DRO	3	GetDRO/SetDRO	Slow Jog % DRO 3
DRO	4	GetDRO/SetDRO	X min DRO 4
DRO	5	GetDRO/SetDRO	Y min DRO 5
DRO	6	GetDRO/SetDRO	Z min DRO 6
DRO	7	GetDRO/SetDRO	A min DRO 7
DRO	8	GetDRO/SetDRO	B min DRO 8
DRO	9	GetDRO/SetDRO	C min DRO 9
DRO	10	GetDRO/SetDRO	X max DRO 10
DRO	11	GetDRO/SetDRO	Y max DRO 11
DRO	12	GetDRO/SetDRO	Z max DRO 12
DRO	13	GetDRO/SetDRO	A max DRO 13
DRO	14	GetDRO/SetDRO	B max DRO 14
DRO	15	GetDRO/SetDRO	C max DRO 15
DRO	16	GetDRO/SetDRO	X G92 Axis Off DRO 16
DRO	17	GetDRO/SetDRO	Y G92 Axis Off DRO 17
DRO	18	GetDRO/SetDRO	Z G92 Axis Off DRO 18

DRO	19	GetDRO/SetDRO	A G92 Axis Off DRO 19
DRO	20	GetDRO/SetDRO	B G92 Axis Off DRO 20
DRO	21	GetDRO/SetDRO	C G92 Axis Off DRO 21
DRO	22	GetDRO/SetDRO	Queue Depth DRO 22
DRO	23	GetDRO/SetDRO	Time Scale DRO 23
DRO	24	GetDRO/SetDRO	PWM Base DRO 24
DRO	25	GetDRO/SetDRO	Torch Correction Speed DRO 25
DRO	26	GetDRO/SetDRO	Torch Height Corrorrection DRO 26
DRO	27	GetDRO/SetDRO	Torch Height Max DRO 27
DRO	28	GetDRO/SetDRO	CPU Load DRO 28
DRO	29	GetDRO/SetDRO	Encoder 1 (X) position DRO 29
DRO	30	GetDRO/SetDRO	Encoder 2 (Y) position DRO 30
DRO	31	GetDRO/SetDRO	Encoder 3 (Z) position DRO 31
DRO	32	GetDRO/SetDRO	Tool length offset 32
DRO	33	GetDRO/SetDRO	X axis Ref Sw DRO 33
DRO	34	GetDRO/SetDRO	Y axis Ref Sw DRO 34
DRO	35	GetDRO/SetDRO	Z axis Ref Sw DRO 35
DRO	36	GetDRO/SetDRO	A axis Ref Sw DRO 36
DRO	37	GetDRO/SetDRO	B axis Ref Sw DRO 37
DRO	38	GetDRO/SetDRO	C axis Ref Sw DRO 38
DRO	39	GetDRO/SetDRO	True spindle DRO 39
DRO	40	GetDRO/SetDRO	Worst Case DRO 40
DRO	41	GetDRO/SetDRO	Tool X Offset DRO 41
DRO	42	GetDRO/SetDRO	Tool Z Offset DRO 42
DRO	43	GetDRO/SetDRO	Tool Dia DRO 43
DRO	44	GetDRO/SetDRO	Tool Tip Rad DRO 44
DRO	45	GetDRO/SetDRO	Touch Correction DRO 45
DRO	46	GetDRO/SetDRO	Current Fixture Number DRO 46

DRO	47	GetDRO/SetDRO	Part X Offset DRO 47
DRO	48	GetDRO/SetDRO	Part Y Offset DRO 48
DRO	49	GetDRO/SetDRO	Part Z Offset DRO 49
DRO	50	GetDRO/SetDRO	Part A Offset DRO 50
DRO	51	GetDRO/SetDRO	Part B Offset DRO 51
DRO	52	GetDRO/SetDRO	Part C Offset DRO 52
DRO	53	GetDRO/SetDRO	CPU Speed DRO 53
DRO	54	GetDRO/SetDRO	Safe Z DRO 54
DRO	55	GetDRO/SetDRO	Overridden Feed Rate DRO (read only?) 55
DRO	56	GetDRO/SetDRO	Pulley DRO 56
DRO	57	GetDRO/SetDRO	Max Spindle Speed on current pulley DRO 57
DRO	58	GetDRO/SetDRO	Velocity per Rev DRO 58
DRO	59	GetDRO/SetDRO	X Scale DRO 59
DRO	60	GetDRO/SetDRO	Y Scale DRO 60
DRO	61	GetDRO/SetDRO	Z Scale DRO 61
DRO	62	GetDRO/SetDRO	A Scale DRO 62
DRO	63	GetDRO/SetDRO	B Scale DRO 63
DRO	64	GetDRO/SetDRO	C Scale DRO 64
DRO	65	GetDRO/SetDRO	Lowest Torch Correction DRO 65
DRO	66	GetDRO/SetDRO	Threading Entrance Angle DRO 66
DRO	67	GetDRO/SetDRO	Max Entrance Points DRO 67
DRO	68	GetDRO/SetDRO	Rotational Time Error DRO 68
DRO	69	GetDRO/SetDRO	Entrance Trigger DRO 69
DRO	70	GetDRO/SetDRO	Time Correction Derivative DRO 70
DRO	71	GetDRO/SetDRO	Interrupts per spindle rev DRO 71
DRO	72	GetDRO/SetDRO	Current Spin Counts DRO 72
DRO	73	GetDRO/SetDRO	Spin Adder DRO 73
DRO	74	GetDRO/SetDRO	Spindle Speed Override DRO 74

DRO	75	GetDRO/SetDRO	Stock Size DRO 75
DRO	76	GetDRO/SetDRO	Laser X Grid DRO 76
DRO	77	GetDRO/SetDRO	Laser Y Grid DRO 77
DRO	78	GetDRO/SetDRO	Repetitions DRO 78
DRO	79	GetDRO/SetDRO	Lower Z-Inhibit By DRO 79
DRO	80	GetDRO/SetDRO	Z-Inhibit DRO 80
DRO	81	GetDRO/SetDRO	Port Bit-test DRO (diagnostic) 81
DRO	82	GetDRO/SetDRO	Anti-dive limit DRO 82
DRO	83	GetDRO/SetDRO	X Machine Coord DRO 83
DRO	84	GetDRO/SetDRO	Y Machine Coord DRO 84
DRO	85	GetDRO/SetDRO	Z Machine Coord DRO 85
DRO	86	GetDRO/SetDRO	A Machine Coord DRO 86
DRO	87	GetDRO/SetDRO	B Machine Coord DRO 87
DRO	88	GetDRO/SetDRO	C Machine Coord DRO 88
DRO	89	GetDRO/SetDRO	Blend factor DRO 89
DRO	90	GetDRO/SetDRO	Number of spindle disc slots DRO 90
DRO	91	GetDRO/SetDRO	G73 Pull-off value DRO 91
DRO	92	GetDRO/SetDRO	Tangential lift threshold angle DRO 92
DRO	93	GetDRO/SetDRO	Tangential lift Z level DRO 93
DRO	94	GetDRO/SetDRO	reserved 94
DRO	95	GetDRO/SetDRO	reserved 95
DRO	96	GetDRO/SetDRO	reserved 96
DRO	97	GetDRO/SetDRO	CV Feedrate DRO 97
DRO	98	GetDRO/SetDRO	Feed override increment value DRO 98
DRO	99	GetDRO/SetDRO	??? Spindle ratio DRO 99
DRO	100	GetDRO/SetDRO	Encoder 4 position DRO 100
DRO	101	GetDRO/SetDRO	MPG 1 count DRO 101
DRO	102	GetDRO/SetDRO	MPG 2 count DRO 102

DRO	103	GetDRO/SetDRO	MPG 3 count DRO 103
DRO	104	GetDRO/SetDRO	Rapid feedrate DRO 104
DRO	105	GetDRO/SetDRO	Diameter of current tool DRO 105
DRO	106	GetDRO/SetDRO	Tip direction of current tool DRO 106
DRO	107	GetDRO/SetDRO	Tool nose radius of current tool DRO 107
DRO	108	GetDRO/SetDRO	X offset of current tool DRO 108
DRO	109	GetDRO/SetDRO	Z offset of current tool DRO 109
DRO	110	GetDRO/SetDRO	X wear offset of current tool DRO 110
DRO	111	GetDRO/SetDRO	Z wear offset of current tool DRO 111
DRO	112	GetDRO/SetDRO	Tool turret angle of current tool DRO 112
DRO	113	GetDRO/SetDRO	Velocity of MPG 1 DRO 113
DRO	114	GetDRO/SetDRO	Velocity of MPG 2 DRO 114
DRO	115	GetDRO/SetDRO	Velocity of MPG 3 DRO 115
DRO	116	GetDRO/SetDRO	Angle of taper to be cut with MPG tapering
DRO	117	GetDRO/SetDRO	Spindle speed as surface speed DRO 117
DRO	118	GetDRO/SetDRO	Angle of rotation of X/Y coordinate system
DRO	119	GetDRO/SetDRO	Laser grid spacing DRO 119
DRO	120	GetDRO/SetDRO	Number of incremental jogs that can be buff
DRO	121	GetDRO/SetDRO	Minimum spindle speed on current pulley DRO
DRO	122	GetDRO/SetDRO	Feed rate ignoring that set in F word DRO
DRO	123	GetDRO/SetDRO	Tool post offset (between front and rearpost
DRO	124	GetDRO/SetDRO	Current velocity of MPG 1 DRO 124
DRO	125	GetDRO/SetDRO	Current velocity of MPG 2 DRO 125
DRO	126	GetDRO/SetDRO	Feedrate for use with MPG step jogs DRO 126
DRO	127	GetDRO/SetDRO	Error between Encoder 1 and abs X pos DRO
DRO	128	GetDRO/SetDRO	Error between Encoder 2 and abs Y pos DRO
DRO	129	GetDRO/SetDRO	Error between Encoder 3 and abs Z pos DRO
DRO	130	GetDRO/SetDRO	Time (uSec) in interrupt handler DRO 130

DRO	131	GetDRO/SetDRO	SLS Dist - laser position measurement DRO
DRO	132	GetDRO/SetDRO	Axis 6 Tripcount - system debug use only DRO
DRO	133	GetDRO/SetDRO	??? Engine lookahead DRO 133
DRO	134	GetDRO/SetDRO	Count of actual pulses output on X - debug
DRO	135	GetDRO/SetDRO	Count of actual pulses output on Y - debug
DRO	136	GetDRO/SetDRO	Count of actual pulses output on Z - debug
DRO	137	GetDRO/SetDRO	Count of actual pulses output on A - debug
DRO	138	GetDRO/SetDRO	Count of actual pulses output on B - debug
DRO	139	GetDRO/SetDRO	Count of actual pulses output on C - debug u
DRO	140	GetDRO/SetDRO	Actual count from encoder 1 - debug use only
DRO	141	GetDRO/SetDRO	Actual count from encoder 2 - debug use only
DRO	142	GetDRO/SetDRO	Actual count from encoder 3 - debug use only
DRO	143	GetDRO/SetDRO	Actual count from encoder 4 - debug use only
DRO	144	GetDRO/SetDRO	Actual count from encoder 5 - debug use only
DRO	145	GetDRO/SetDRO	Actual count from encoder 6 - debug use only
DRO	146	GetDRO/SetDRO	ModBus input 64 DRO 146
DRO	147	GetDRO/SetDRO	ModBus input 65 DRO 147
DRO	148	GetDRO/SetDRO	ModBus input 66 DRO 148
DRO	149	GetDRO/SetDRO	ModBus input 67 DRO 149
DRO	150	GetDRO/SetDRO	Softlimit X Maximum DRO 150
DRO	151	GetDRO/SetDRO	Softlimit Y Maximum DRO 151
DRO	152	GetDRO/SetDRO	Softlimit Z Maximum DRO 152
DRO	153	GetDRO/SetDRO	Softlimit A Maximum DRO 153
DRO	154	GetDRO/SetDRO	Softlimit B Maximum DRO 154
DRO	155	GetDRO/SetDRO	Softlimit C Maximum DRO 155
DRO	156	GetDRO/SetDRO	Softlimit X Minimum DRO 156
DRO	157	GetDRO/SetDRO	Softlimit Y Minimum DRO 157
DRO	158	GetDRO/SetDRO	Softlimit Z Minimum DRO 158

DRO	159	GetDRO/SetDRO	Softlimit A Minimum DRO 159
DRO	160	GetDRO/SetDRO	Softlimit B Minimum DRO 160
DRO	161	GetDRO/SetDRO	Softlimit C Minimum DRO 161
DRO	162	GetDRO/SetDRO	Distance from front to rear toolpost DRO
DRO	170	GetDRO/SetDRO	Encoder 1 position (in units) DRO 170
DRO	171	GetDRO/SetDRO	Encoder 2 position (in units) DRO 171
DRO	172	GetDRO/SetDRO	Encoder 3 position (in units) DRO 172
DRO	173	GetDRO/SetDRO	Encoder 4 position (in units) DRO 173
DRO	175	GetDRO/SetDRO	Part X radius/diameter for Touching toolable
DRO	176	GetDRO/SetDRO	Part Z location for Touching to tooltable
DRO	177	GetDRO/SetDRO	reserved DRO 177
DRO	178	GetDRO/SetDRO	Machine X coord - X Work Offset DRO 178
DRO	179	GetDRO/SetDRO	Machine Y coord - Y Work Offset DRO 179
DRO	180	GetDRO/SetDRO	Machine Z coord - Z Work Offset - Toollength
DRO	181	GetDRO/SetDRO	Machine A coord - A Work Offset DRO 181
DRO	182	GetDRO/SetDRO	Machine B coord - B Work Offset DRO 182
DRO	183	GetDRO/SetDRO	Machine C coord - C Work Offset DRO 183
DRO	184	GetDRO/SetDRO	X Cont. Pnt. coord (Machine - Work - G52/G9)
DRO	185	GetDRO/SetDRO	Y Cont. Pnt. coord (Machine - Work - G52/G9)
DRO	186	GetDRO/SetDRO	Z Cont. Pnt. coord (Machine - Work - Toollen.
DRO	187	GetDRO/SetDRO	A Cont. Pnt. coord (Machine - Work - G52/G9)
DRO	188	GetDRO/SetDRO	B Cont. Pnt. coord (Machine - Work -G52/G92)
DRO	189	GetDRO/SetDRO	C Cont. Pnt. coord (Machine - Work -G52/G92)
DRO	190	GetDRO/SetDRO	X axis home location used by G28 DRO 190
DRO	191	GetDRO/SetDRO	Y axis home location used by G28 DRO 191
DRO	192	GetDRO/SetDRO	Z axis home location used by G28 DRO 192
DRO	193	GetDRO/SetDRO	A axis home location used by G28 DRO 193
DRO	194	GetDRO/SetDRO	B axis home location used by G28 DRO 194

DRO	195	GetDRO/SetDRO	C axis home location used by G28 DRO	195
DRO	196	GetDRO/SetDRO	X axis Distance to Go DRO	196
DRO	197	GetDRO/SetDRO	Y axis Distance to Go DRO	197
DRO	198	GetDRO/SetDRO	Z axis Distance to Go DRO	198
DRO	199	GetDRO/SetDRO	A axis Distance to Go DRO	199
DRO	200	GetDRO/SetDRO	B axis Distance to Go DRO	200
DRO	201	GetDRO/SetDRO	C axis Distance to Go DRO	201
DRO	202	GetDRO/SetDRO	Overriden spindle speed DRO	202
DRO	203	GetDRO/SetDRO	Current pulley reversed direction	203
DRO	204	GetDRO/SetDRO	Current X offset of Turn tool	204
DRO	205	GetDRO/SetDRO	reserved	205
DRO	206	GetDRO/SetDRO	reserved	206
DRO	207	GetDRO/SetDRO	reserved	207
DRO	208	GetDRO/SetDRO	Encoder X reading corrected by offsets	208
DRO	209	GetDRO/SetDRO	Encoder Y reading corrected by offsets	209
DRO	210	GetDRO/SetDRO	Encoder Z reading corrected by offsets	210
DRO	211	GetDRO/SetDRO	X soft limits Max	211
DRO	212	GetDRO/SetDRO	y soft limits Max	212
DRO	213	GetDRO/SetDRO	Z soft limits Max	213
DRO	214	GetDRO/SetDRO	X soft limits Min	214
DRO	215	GetDRO/SetDRO	y soft limits Min	215
DRO	216	GetDRO/SetDRO	Z soft limits Min	216
DRO	217	GetDRO/SetDRO	Spindle Seconds CW	217
DRO	218	GetDRO/SetDRO	reserved	218
DRO	219	GetDRO/SetDRO	reserved	219
DRO	220	GetDRO/SetDRO	Brains exe time (ms)	220
DRO	221	GetDRO/SetDRO	Probe Radius	221
DRO	222	GetDRO/SetDRO	Sub Program depth	222

DRO	223	GetDRO/SetDRO	Rapid Override	223
DRO	224	GetDRO/SetDRO	Number of macros currently running	224
DRO	800	GetDRO/SetDRO	X DRO	800
DRO	801	GetDRO/SetDRO	Y DRO	801
DRO	802	GetDRO/SetDRO	Z DRO	802
DRO	803	GetDRO/SetDRO	A DRO	803
DRO	804	GetDRO/SetDRO	B DRO	804
DRO	805	GetDRO/SetDRO	C DRO	805
DRO	806	GetDRO/SetDRO	X Vel DRO	806
DRO	807	GetDRO/SetDRO	Y Vel DRO	807
DRO	808	GetDRO/SetDRO	Z Vel DRO	808
DRO	809	GetDRO/SetDRO	A Vel DRO	809
DRO	810	GetDRO/SetDRO	B Vel DRO	810
DRO	811	GetDRO/SetDRO	C Vel DRO	811
DRO	813	GetDRO/SetDRO	Blended Velocity DRO	813
DRO	814	GetDRO/SetDRO	Elapsed DRO	814
DRO	815	GetDRO/SetDRO	Estimate DRO	815
DRO	816	GetDRO/SetDRO	Curr Line no DRO	816
DRO	817	GetDRO/SetDRO	Spindle requested DRO	817
DRO	818	GetDRO/SetDRO	Feedrate DRO	818
DRO	821	GetDRO/SetDRO	Feedrate Override (FRO)	821
DRO	824	GetDRO/SetDRO	Tool number DRO	824
DRO	825	GetDRO/SetDRO	Rot A diameter DRO	825
DRO	826	GetDRO/SetDRO	Rot B diameter DRO	826
DRO	827	GetDRO/SetDRO	Rot C diameter DRO	827
DRO	828	GetDRO/SetDRO	Jog Inc DRO	828
DRO	830	GetDRO/SetDRO	X Fixture Orig Off DRO	830
DRO	831	GetDRO/SetDRO	Y Fixture Orig Off DRO	831

DRO	832	GetDRO/SetDRO	Z Fixture Orig Off DRO 832
DRO	833	GetDRO/SetDRO	A Fixture Orig Off DRO 833
DRO	834	GetDRO/SetDRO	B Fixture Orig Off DRO 834
DRO	835	GetDRO/SetDRO	C Fixture Orig Off DRO 835
DRO	836	GetDRO/SetDRO	Current Tool length DRO 836
DRO		GetDRO/SetDRO	
DRO		GetDRO/SetDRO	
DRO		GetDRO/SetDRO	
DRO		GetDRO/SetDRO	
DRO		GetDRO/SetDRO	
LED	10	GetLED/SetLED	G92 LED 10
LED	11	GetLED/SetLED	Spindle ON LED (CW or CCW) 11
LED	12	GetLED/SetLED	Mist LED 12
LED	13	GetLED/SetLED	Flood LED 13
LED	14	GetLED/SetLED	Jog mode Cont LED 14
LED	15	GetLED/SetLED	Jog mode Incr LED 15
LED	16	GetLED/SetLED	Mach coords warn LED 16
LED	17	GetLED/SetLED	Feed override LED 17
LED	18	GetLED/SetLED	Estimating LED 18
LED	19	GetLED/SetLED	Emergency LED 19
LED	20	GetLED/SetLED	A radius corr. LED 20
LED	21	GetLED/SetLED	B radius corr. LED 21
LED	22	GetLED/SetLED	C radius corr. LED 22
LED	23	GetLED/SetLED	Software limits LED 23
LED	24	GetLED/SetLED	Torch En LED 24
LED	25	GetLED/SetLED	True spindle Acc LED 25
LED	26	GetLED/SetLED	True spindle Dec LED 26
LED	27	GetLED/SetLED	Tool Path LED 27

LED	28	GetLED/SetLED	Tool Offset on LED 28
LED	29	GetLED/SetLED	Part Offset on LED (always in 6.11) 29
LED	30	GetLED/SetLED	Throttle is Slow Jog LED 30
LED	31	GetLED/SetLED	Throttle is Feedrate LED 31
LED	32	GetLED/SetLED	reserved 32
LED	33	GetLED/SetLED	Auto Lim override LED 33
LED	34	GetLED/SetLED	Override Limits/home switches LED 34
LED	35	GetLED/SetLED	SS on Act4 LED 35
LED	36	GetLED/SetLED	THC Arc Good LED 36
LED	37	GetLED/SetLED	Torch Up active LED 37
LED	38	GetLED/SetLED	Torch Down active LED 38
LED	39	GetLED/SetLED	Feed per Rev LED 39
LED	40	GetLED/SetLED	Feed per Min LED 40
LED	41	GetLED/SetLED	X Scale LED 41
LED	42	GetLED/SetLED	Y Scale LED 42
LED	43	GetLED/SetLED	Z Scale LED 43
LED	44	GetLED/SetLED	A Scale LED 44
LED	45	GetLED/SetLED	B Scale LED 45
LED	46	GetLED/SetLED	C Scale LED 46
LED	47	GetLED/SetLED	reserved 47
LED	48	GetLED/SetLED	Abs Coordinate Mode LED 48
LED	49	GetLED/SetLED	Incremental Coordinate Mode LED 49
LED	50	GetLED/SetLED	Threading Sync Mode LED (Turn) 50
LED	51	GetLED/SetLED	Laser Probe enabled LED 51
LED	52	GetLED/SetLED	Z-Inhibit ON LED 52
LED	53	GetLED/SetLED	Ignore Tool Change ON LED 53
LED	54	GetLED/SetLED	CV Mode ON LED 54
LED	55	GetLED/SetLED	M30 Repeats Enabled LED 55

LED	56	GetLED/SetLED	CV mode OFF LED 56
LED	57	GetLED/SetLED	MPG Jog On LED 57
LED	58	GetLED/SetLED	Cont. Jog is at full speed LED 58
LED	59	GetLED/SetLED	MPG 1 Jogs X axis LED 59
LED	60	GetLED/SetLED	MPG 1 Jogs Y axis LED 60
LED	61	GetLED/SetLED	MPG 1 Jogs Z axis LED 61
LED	62	GetLED/SetLED	MPG 1 Jogs A axis LED 62
LED	63	GetLED/SetLED	MPG 1 Jogs B axis LED 63
LED	64	GetLED/SetLED	MPG 1 Jogs C axis LED 64
LED	65	GetLED/SetLED	Optional Stop On LED 65
LED	66	GetLED/SetLED	Block Delete On LED 66
LED	67	GetLED/SetLED	Offline indicator LED 67
LED	68	GetLED/SetLED	Threading feed related to true Spindle speed
LED	69	GetLED/SetLED	Index signal awaited LED (Turn) 69
LED	70	GetLED/SetLED	Anti-dive enabled LED 70
LED	71	GetLED/SetLED	Spindle speed stable LED 71
LED	72	GetLED/SetLED	IJ Mode is Absolute LED 72
LED	73	GetLED/SetLED	IJ Mode is Incremental LED 73
LED	74	GetLED/SetLED	G-code teaching file is open LED 74
LED	75	GetLED/SetLED	Offset in effect on at least one axis LED 75
LED	76	GetLED/SetLED	reserved 76
LED	77	GetLED/SetLED	Output 4 Active LED 77
LED	78	GetLED/SetLED	Output 5 Active LED 78
LED	79	GetLED/SetLED	Output 6 Active LED 79
LED	80	GetLED/SetLED	Pause Active LED 80
LED	81	GetLED/SetLED	Tangential control Active LED 81
LED	82	GetLED/SetLED	Single Step mode Active LED 82
LED	83	GetLED/SetLED	Jogging enabled LED 83

LED	84	GetLED/SetLED	CV feed enabled LED 84
LED	85	GetLED/SetLED	Enhanced Pulsing NOT in use LED 85
LED	86	GetLED/SetLED	Axis inhibited X LED 86
LED	87	GetLED/SetLED	Axis inhibited Y LED 87
LED	88	GetLED/SetLED	Axis inhibited Z LED 88
LED	89	GetLED/SetLED	Axis inhibited A LED 89
LED	90	GetLED/SetLED	Axis inhibited B LED 90
LED	91	GetLED/SetLED	Axis inhibited C LED 91
LED	92	GetLED/SetLED	Diameter mode active (Turn) LED 92
LED	93	GetLED/SetLED	Timing signal active (Turn) LED 93
LED	94	GetLED/SetLED	Hotkeys enabled LED 94
LED	95	GetLED/SetLED	Units per minute mode LED 95
LED	96	GetLED/SetLED	Units per rev mode LED 96
LED	97	GetLED/SetLED	Running in reverse (duplicated by 112) LED
LED	98	GetLED/SetLED	MPG 2 Jogs X axis LED 98
LED	99	GetLED/SetLED	MPG 2 Jogs Y axis LED 99
LED	100	GetLED/SetLED	MPG 2 Jogs Z axis LED 100
LED	101	GetLED/SetLED	MPG 2 Jogs A axis LED 101
LED	102	GetLED/SetLED	MPG 2 Jogs B axis LED 102
LED	103	GetLED/SetLED	MPG 2 Jogs C axis LED 103
LED	104	GetLED/SetLED	MPG 2 in taper mode LED 104
LED	105	GetLED/SetLED	Two MPGs in use LED 105
LED	106	GetLED/SetLED	Shuttle mode in use LED 106
LED	107	GetLED/SetLED	Spindle is in CSS (G96) mode LED 107
LED	108	GetLED/SetLED	X/Y coordinate system is currently rotated
LED	109	GetLED/SetLED	Rapids being overridden LED 109
LED	110	GetLED/SetLED	Axis formula mappin ON LED 110
LED	111	GetLED/SetLED	Feedhold when part of a block executed

LED	112	GetLED/SetLED	Running in reverse (duplicate) LED - do not
LED	113	GetLED/SetLED	Alternative feedrate in use (see OEM DRO 122)
LED	114	GetLED/SetLED	Front tool post selected LED 114
LED	115	GetLED/SetLED	Rear tool post selected LED 115
LED	116	GetLED/SetLED	Spindle is running LED 116
LED	117	GetLED/SetLED	MPG jog Velocity mode selected LED 117
LED	118	GetLED/SetLED	MPG jog Velocity/Step mode selected LED 118
LED	119	GetLED/SetLED	MPG jog single exact step mode selected LED
LED	120	GetLED/SetLED	MPG jog multiple steps selected LED 120
LED	121	GetLED/SetLED	X++ jogging switch active LED 121
LED	122	GetLED/SetLED	X-- jogging switch active LED 122
LED	123	GetLED/SetLED	Y++ jogging switch active LED 123
LED	124	GetLED/SetLED	Y-- jogging switch active LED 124
LED	125	GetLED/SetLED	Z++ jogging switch active LED 125
LED	126	GetLED/SetLED	Z-- jogging switch active LED 126
LED	127	GetLED/SetLED	A++ jogging switch active LED 127
LED	128	GetLED/SetLED	A-- jogging switch active LED 128
LED	129	GetLED/SetLED	Mouse in tool path Zooms LED 129
LED	130	GetLED/SetLED	Mouse in tool path Pans LED 130
LED	131	GetLED/SetLED	MPG 3 Jogs X axis LED 131
LED	132	GetLED/SetLED	MPG 3 Jogs Y axis LED 132
LED	133	GetLED/SetLED	MPG 3 Jogs Z axis LED 133
LED	134	GetLED/SetLED	MPG 3 Jogs A axis LED 134
LED	135	GetLED/SetLED	MPG 3 Jogs B axis LED 135
LED	136	GetLED/SetLED	MPG 3 Jogs C axis LED 136
LED	161	GetLED/SetLED	reserved 130 - 161
LED	162	GetLED/SetLED	A macro is running LED 162
LED	163	GetLED/SetLED	Distance to go display in Axis DROs LED 163

LED	164	GetLED/SetLED	Spindle rotating CW LED 164
LED	165	GetLED/SetLED	Spindle rotating CCW LED 165
LED	166	GetLED/SetLED	Conditions are abnormal LED 166
LED	167	GetLED/SetLED	reserved 167
LED	168	GetLED/SetLED	CV Distance tolerance is ON LED 168
LED	172	GetLED/SetLED	
LED	800	GetLED/SetLED	Reset LED 800
LED	801	GetLED/SetLED	Inch LED 801
LED	802	GetLED/SetLED	MMs LED 802
LED	803	GetLED/SetLED	Idle LED 803
LED	804	GetLED/SetLED	Start LED 804
LED	805	GetLED/SetLED	Pause LED 805
LED	806	GetLED/SetLED	Tool change LED 806
LED	807	GetLED/SetLED	X ref LED 807
LED	808	GetLED/SetLED	Y ref LED 808
LED	809	GetLED/SetLED	Z ref LED 809
LED	810	GetLED/SetLED	A ref LED 810
LED	811	GetLED/SetLED	B ref LED 811
LED	812	GetLED/SetLED	C ref LED 812
LED	813	GetLED/SetLED	Dwell LED 813
LED	814	GetLED/SetLED	Joystick enable LED 814
LED	816	GetLED/SetLED	Fixture LED 816
LED	821	GetLED/SetLED	Input 1 Active LED 821
LED	822	GetLED/SetLED	Input 2 Active LED 822
LED	823	GetLED/SetLED	Input 3 Active LED 823
LED	824	GetLED/SetLED	Input 4 Active LED 824
LED	825	GetLED/SetLED	Digitise In LED 825
LED	826	GetLED/SetLED	Index LED 826

LED	827	GetLED/SetLED	Limit OV LED 827
LED	828	GetLED/SetLED	X++ Limit LED 828
LED	829	GetLED/SetLED	X-- Limit LED 829
LED	830	GetLED/SetLED	X-- Home LED 830
LED	831	GetLED/SetLED	Y++ Limit LED 831
LED	832	GetLED/SetLED	Y-- Limit LED 832
LED	833	GetLED/SetLED	Y-- Home LED 833
LED	834	GetLED/SetLED	Z++ Limit LED 834
LED	835	GetLED/SetLED	Z-- Limit LED 835
LED	836	GetLED/SetLED	Z-- Home LED 836
LED	837	GetLED/SetLED	A++ Limit LED 837
LED	838	GetLED/SetLED	A-- Limit LED 838
LED	839	GetLED/SetLED	A-- Home LED 839
LED	840	GetLED/SetLED	B++ Limit LED 840
LED	841	GetLED/SetLED	B-- Limit LED 841
LED	842	GetLED/SetLED	B-- Home LED 842
LED	843	GetLED/SetLED	C++ Limit LED 843
LED	844	GetLED/SetLED	C-- Limit LED 844
LED	845	GetLED/SetLED	C-- Home LED 845
LED	846	GetLED/SetLED	Enable 1 LED 846
LED	847	GetLED/SetLED	Enable 2 LED 847
LED	848	GetLED/SetLED	Enable 3 LED 848
LED	849	GetLED/SetLED	Enable 4 LED 849
LED	850	GetLED/SetLED	Enable 5 LED 850
LED	851	GetLED/SetLED	Enable 6 LED 851
LED	852	GetLED/SetLED	Output 1/Extrn1 Active LED 852
LED	853	GetLED/SetLED	Output 2/Extrn2 Active LED 853
LED	854	GetLED/SetLED	Output 3/Extrn3 Active LED 854

LED	855	GetLED/SetLED	Digitise Out LED 855
LED	999	GetLED/SetLED	System movement in effect or movement immine
Parameter		GetParam/SetParam	Coordinates Machine ABS X
Parameter		GetParam/SetParam	Coordinates Machine ABS Y
Parameter		GetParam/SetParam	Coordinates Machine ABS Z
Parameter		GetParam/SetParam	Encoder Position A
Parameter		GetParam/SetParam	Encoder Position X
Parameter		GetParam/SetParam	Encoder Position Y
Parameter		GetParam/SetParam	Encoder Position Z
Parameter		GetParam/SetParam	Feed Rate
Parameter		GetParam/SetParam	Homing Speed A
Parameter		GetParam/SetParam	Homing Speed B
Parameter		GetParam/SetParam	Homing Speed C
Parameter		GetParam/SetParam	Homing Speed X
Parameter		GetParam/SetParam	Homing Speed Y
Parameter		GetParam/SetParam	Homing Speed Z
Parameter		GetParam/SetParam	Motor Acceleration Maximum A
Parameter		GetParam/SetParam	Motor Acceleration Maximum B
Parameter		GetParam/SetParam	Motor Acceleration Maximum C
Parameter		GetParam/SetParam	Motor Acceleration Maximum X
Parameter		GetParam/SetParam	Motor Acceleration Maximum Y
Parameter		GetParam/SetParam	Motor Acceleration Maximum Z
Parameter		GetParam/SetParam	Motor Direction Active
Parameter		GetParam/SetParam	Motor Direction Active A
Parameter		GetParam/SetParam	Motor Direction Active B
Parameter		GetParam/SetParam	Motor Direction Active C
Parameter		GetParam/SetParam	Motor Direction Active X
Parameter		GetParam/SetParam	Motor Direction Active Y

Parameter	GetParam/SetParam	Motor Direction Active Z
Parameter	GetParam/SetParam	Motor Steps per A
Parameter	GetParam/SetParam	Motor Steps per B
Parameter	GetParam/SetParam	Motor Steps per C
Parameter	GetParam/SetParam	Motor Steps per X
Parameter	GetParam/SetParam	Motor Steps per Y
Parameter	GetParam/SetParam	Motor Steps per Z
Parameter	GetParam/SetParam	Motor Velocity Maximum A
Parameter	GetParam/SetParam	Motor Velocity Maximum B
Parameter	GetParam/SetParam	Motor Velocity Maximum C
Parameter	GetParam/SetParam	Motor Velocity Maximum X
Parameter	GetParam/SetParam	Motor Velocity Maximum Y
Parameter	GetParam/SetParam	Motor Velocity Maximum Z
Parameter	GetParam/SetParam	MPG 0 Count
Parameter	GetParam/SetParam	MPG 1 Count
Parameter	GetParam/SetParam	MPG 2 Count
Parameter	GetParam/SetParam	Multi-function DROs Machine/Work/DTG A
Parameter	GetParam/SetParam	Multi-function DROs Machine/Work/DTG B
Parameter	GetParam/SetParam	Multi-function DROs Machine/Work/DTG C
Parameter	GetParam/SetParam	Multi-function DROs Machine/Work/DTG X
Parameter	GetParam/SetParam	Multi-function DROs Machine/Work/DTG Y
Parameter	GetParam/SetParam	Multi-function DROs Machine/Work/DTG Z
Parameter	GetParam/SetParam	Pause Preparation Moves
Parameter	GetParam/SetParam	Repetitions
Parameter	GetParam/SetParam	Safe Z Height
Parameter	GetParam/SetParam	Scale A
Parameter	GetParam/SetParam	Scale B
Parameter	GetParam/SetParam	Scale C

Parameter	GetParam/SetParam	Scale X
Parameter	GetParam/SetParam	Scale Y
Parameter	GetParam/SetParam	Scale Z
Parameter	GetParam/SetParam	Spindle Speed Override
Parameter	GetParam/SetParam	Spindle Speed Override
Parameter	GetParam/SetParam	Spindle Speed True
Parameter	GetParam/SetParam	Tool Change Auto
Parameter	GetParam/SetParam	Tool Description
Parameter	GetParam/SetParam	Tool Get
Parameter	GetParam/SetParam	Tool Path Boundary
Parameter	GetParam/SetParam	Tool Path Lock
Parameter	GetParam/SetParam	Tool Set
Parameter	GetParam/SetParam	Units
Parameter	GetParam/SetParam	Z Limiting Maximum Z
Parameter	GetParam/SetParam	Z Limiting Off/On Toggle Z

OEM FUNCTIONS Sorted By Type Then Function

Type	Number	VB Call	Function Description
Button	289	DoOemButton	??? Set formlas 289
Button	182	DoOemButton	??? Toggle Spindle actual 182
Button	221	DoOemButton	Anti-dive enabled toggle 221
Button	149	DoOemButton	Auto Lim Override Toggle 149
Button	176	DoOemButton	"Block Delete "switch" toggle 176 "
Button	315	DoOemButton	Calibrate MPGs 315
Button	172	DoOemButton	Clear error label 172
Button	209	DoOemButton	Clear X tool offset (Turn) 209
Button	208	DoOemButton	Clear Z tool offset (Turn) 208
Button	169	DoOemButton	Close current file 169
Button	301	DoOemButton	Code for OEMTriggers runs the macro
Button	1018	DoOemButton	Coord System 1018
Button	162	DoOemButton	Coordinate mode (G90/91) 162
Button	288	DoOemButton	Crop current dwell now 288
Button	248	DoOemButton	CV feed OFF 248
Button	249	DoOemButton	CV feed ON 249
Button	247	DoOemButton	CV feed toggle 247
Button	175	DoOemButton	Cycle axis controlled by MPG 1 175
Button	281	DoOemButton	Cycle axis controlled by MPG 2 281
Button	302	DoOemButton	Cycle MPG jogging mode 302
Button	1000	DoOemButton	Cycle start 1000
Button	278	DoOemButton	Decrement feedrate 278

Button	351	DoOemButton	Decrement spindle speed by value not % (Turn
Button	240	DoOemButton	Def-Ref all axes 240
Button	253	DoOemButton	Disable movement on axis A 253
Button	254	DoOemButton	Disable movement on axis B 254
Button	255	DoOemButton	Disable movement on axis C 255
Button	250	DoOemButton	Disable movement on axis X 250
Button	251	DoOemButton	Disable movement on axis Y 251
Button	252	DoOemButton	Disable movement on axis Z 252
Button	179	DoOemButton	Display Abs Machine coordinates (i.e. macnin
Button	215	DoOemButton	Display history 215
Button	320	DoOemButton	Display Wizard select dialog 320
Button	230	DoOemButton	Display Wizard selection window 230
Button	180	DoOemButton	Display Work + G92 coordinates (i.e. Machine
Button	181	DoOemButton	Display Work coords (i.e. not with G92) 181
Button	243	DoOemButton	do G0G53 to G59.254 offset location 243
Button	296	DoOemButton	Do screw calibration routine 296
Button	319	DoOemButton	Drag on toolpath does Pan toggle 319
Button	318	DoOemButton	Drag on toolpath does Zoom toggle 318
Button	1006	DoOemButton	Edit File 1006
Button	115	DoOemButton	Edit G-code 115
Button	322	DoOemButton	Emergency bailout - tester use only 322
Button	125	DoOemButton	Enc Load X 125
Button	127	DoOemButton	Enc Load Y 127
Button	129	DoOemButton	Enc Load Z 129
Button	126	DoOemButton	Enc To X 126
Button	128	DoOemButton	Enc To Y 128
Button	130	DoOemButton	Enc To Z 130
Button	257	DoOemButton	Engine OFFline 257

Button	258	DoOemButton	Engine ONline 258
Button	1015	DoOemButton	Estimate Job 1015
Button	109	DoOemButton	Feed lower 109
Button	203	DoOemButton	Feed override Feed 203
Button	202	DoOemButton	Feed override Jog 202
Button	201	DoOemButton	Feed override Off 201
Button	108	DoOemButton	Feed raise 108
Button	1014	DoOemButton	Feedrate reset 1014
Button	137	DoOemButton	Fixture Off 137
Button	122	DoOemButton	Fixture Tab Save 122
Button	225	DoOemButton	Flood OFF 225
Button	224	DoOemButton	Flood ON 224
Button	113	DoOemButton	Flood toggle 113
Button	246	DoOemButton	Force Referenced on all axes 246
Button	138	DoOemButton	Go Home 138
Button	104	DoOemButton	Goto Safe Z 104
Button	1017	DoOemButton	GotoZs 1017
Button	212	DoOemButton	Home X (Turn) 212
Button	211	DoOemButton	Home X Home Z (Turn) 211
Button	184	DoOemButton	"Home X, Home Z (Turn) 184 "
Button	213	DoOemButton	Home Z (Turn) 213
Button	105	DoOemButton	"Home Z then X then Y, A, B, C - set machine
Button	168	DoOemButton	Ignore Tool Change toggle 168
Button	101	DoOemButton	Inc Inc Down 101
Button	100	DoOemButton	Inc Inc Up 100
Button	277	DoOemButton	Increment feedrate 277
Button	350	DoOemButton	Increment spindle speed by value not %
Button	293	DoOemButton	Inhibit jog of A axis 293

Button	294	DoOemButton	Inhibit jog of B axis 294
Button	295	DoOemButton	Inhibit jog of C axis 295
Button	290	DoOemButton	Inhibit jog of X axis 290
Button	291	DoOemButton	Inhibit jog of Y axis 291
Button	292	DoOemButton	Inhibit jog of Z axis 292
Button	157	DoOemButton	Jog Follow 157
Button	171	DoOemButton	Jog increment cycle 171
Button	204	DoOemButton	Jog mode Continuous (same as button 276) 204
Button	205	DoOemButton	Jog mode Step (same as button 275) 205
Button	103	DoOemButton	Jog mode toggle 103
Button	1031	DoOemButton	Jog Toggle 1031
Button	353	DoOemButton	Jog X and A axis -- together (foam machines)
Button	352	DoOemButton	Jog X and A axis ++ together (foam machines)
Button	355	DoOemButton	Jog Y and A axis -- together (foam machines)
Button	354	DoOemButton	Jog Y and A axis ++ together (foam machines)
Button	147	DoOemButton	Joy Throttle select 147
Button	159	DoOemButton	Joystick OFF 159
Button	207	DoOemButton	Joystick Off 207
Button	158	DoOemButton	Joystick ON 158
Button	206	DoOemButton	Joystick On 206
Button	1028	DoOemButton	Joystick Toggle 1028
Button	165	DoOemButton	Laser Probe Enable Toggle 165
Button	216	DoOemButton	Load G-code 216
Button	228	DoOemButton	Load Teach file 228
Button	231	DoOemButton	Load the normal screens when Wizard done 231
Button	164	DoOemButton	Lower spindle speed 164
Button	107	DoOemButton	Mach coords 107
Button	256	DoOemButton	Machine Coordinates toggle 256

Button	227	DoOemButton	Mist OFF 227
Button	226	DoOemButton	Mist ON 226
Button	114	DoOemButton	Mist toggle 114
Button	244	DoOemButton	Move to G59.254 with midpoint selection 244
Button	178	DoOemButton	Offline toggle 178
Button	177	DoOemButton	"Optional Stop "switch" toggle 177 "
Button	234	DoOemButton	Output 4 OFF 234
Button	233	DoOemButton	Output 4 ON 233
Button	236	DoOemButton	Output 5 OFF 236
Button	235	DoOemButton	Output 5 ON 235
Button	238	DoOemButton	Output 6 OFF 238
Button	237	DoOemButton	Output 6 ON 237
Button	150	DoOemButton	OverRide Limits 150
Button	174	DoOemButton	Parallel Port Encoder3 MPG Jog Toggle 174
Button	142	DoOemButton	Part A Offset Touch 142
Button	143	DoOemButton	Part B Offset Touch 143
Button	144	DoOemButton	Part C Offset Touch 144
Button	139	DoOemButton	Part X Offset Touch 139
Button	140	DoOemButton	Part Y Offset Touch 140
Button	141	DoOemButton	Part Z Offset Touch 141
Button	1001	DoOemButton	Pause (Feed Hold) 1001
Button	220	DoOemButton	Port Bit-Test Set (diagnostic) 220
Button	314	DoOemButton	Push to jog A-- 314
Button	313	DoOemButton	Push to jog A++ 313
Button	330	DoOemButton	Push to Jog B-- 330
Button	329	DoOemButton	Push to Jog B++ 329
Button	332	DoOemButton	Push to Jog C-- 332
Button	331	DoOemButton	Push to Jog C++ 331

Button	308	DoOemButton	Push to jog X-- 308
Button	307	DoOemButton	Push to jog X++ 307
Button	310	DoOemButton	Push to jog Y-- 310
Button	309	DoOemButton	Push to jog Y++ 309
Button	312	DoOemButton	Push to jog Z-- 312
Button	311	DoOemButton	Push to jog Z++ 311
Button	1030	DoOemButton	Radius Tracking Toggle 1030
Button	163	DoOemButton	Raise spindle speed 163
Button	1025	DoOemButton	Ref A 1025
Button	1026	DoOemButton	Ref B 1026
Button	1027	DoOemButton	Ref C 1027
Button	1022	DoOemButton	Ref X 1022
Button	1023	DoOemButton	Ref Y 1023
Button	1024	DoOemButton	Ref Z 1024
Button	160	DoOemButton	Regen toolpath display 160
Button	170	DoOemButton	Re-load last file 170
Button	286	DoOemButton	Remember paused state 286
Button	152	DoOemButton	reserved 152
Button	153	DoOemButton	reserved 153
Button	154	DoOemButton	reserved 154
Button	298	DoOemButton	reserved 298
Button	346	DoOemButton	reserved 343 - 347
Button	1021	DoOemButton	Reset 1021
Button	102	DoOemButton	Reset Interp 102
Button	1005	DoOemButton	Resume 1005
Button	285	DoOemButton	Return to paused state 285
Button	1002	DoOemButton	Rewind 1002
Button	1016	DoOemButton	Run from here 1016

Button	321	DoOemButton	Run Newfangled Wizard 321
Button	279	DoOemButton	Run reverse 279
Button	316	DoOemButton	Save tool table 316
Button	317	DoOemButton	Save work offset table 317
Button	242	DoOemButton	Save XYZ to G59.254 work offset 242
Button	8	DoOemButton	Screen Select
Button	9	DoOemButton	Screen Select
Button	10	DoOemButton	Screen Select
Button	99	DoOemButton	Screen Select
Button	0	DoOemButton	Screen select
Button	6	DoOemButton	Screen select Corrections screen select 6
Button	5	DoOemButton	Screen select Diagnostics screen select 5
Button	2	DoOemButton	Screen select MDI screen select 2
Button	4	DoOemButton	Screen select Positioning screen select 4
Button	1	DoOemButton	Screen select Program Run screen 1
Button	7	DoOemButton	Screen select Tables screen select 7
Button	3	DoOemButton	Screen select Toolpath screen select 3
Button	188	DoOemButton	Select A for MPG 1 188
Button	189	DoOemButton	Select B for MPG 1 189
Button	190	DoOemButton	Select C for MPG 1 190
Button	262	DoOemButton	Select encoder jog on axis A 262
Button	263	DoOemButton	Select encoder jog on axis B 263
Button	264	DoOemButton	Select encoder jog on axis C 264
Button	259	DoOemButton	Select encoder jog on axis X 259
Button	260	DoOemButton	Select encoder jog on axis Y 260
Button	261	DoOemButton	Select encoder jog on axis Z 261
Button	191	DoOemButton	Select Jog Increment 1 191
Button	200	DoOemButton	Select Jog Increment 10 200

Button	192	DoOemButton	Select Jog Increment 2	192
Button	193	DoOemButton	Select Jog Increment 3	193
Button	194	DoOemButton	Select Jog Increment 4	194
Button	195	DoOemButton	Select Jog Increment 5	195
Button	196	DoOemButton	Select Jog Increment 6	196
Button	197	DoOemButton	Select Jog Increment 7	197
Button	198	DoOemButton	Select Jog Increment 8	198
Button	199	DoOemButton	Select Jog Increment 9	199
Button	327	DoOemButton	Select MPG jog mode	327
Button	265	DoOemButton	Select Step value 1	265
Button	274	DoOemButton	Select Step value 10	274
Button	266	DoOemButton	Select Step value 2	266
Button	267	DoOemButton	Select Step value 3	267
Button	268	DoOemButton	Select Step value 4	268
Button	269	DoOemButton	Select Step value 5	269
Button	270	DoOemButton	Select Step value 6	270
Button	271	DoOemButton	Select Step value 7	271
Button	272	DoOemButton	Select Step value 8	272
Button	273	DoOemButton	Select Step value 9	273
Button	185	DoOemButton	Select X for MPG 1	185
Button	186	DoOemButton	Select Y for MPG 1	186
Button	187	DoOemButton	Select Z for MPG 1	187
Button	341	DoOemButton	Set a temporary softlimit maximum at current	
Button	340	DoOemButton	Set a temporary softlimit minimum at current	
Button	239	DoOemButton	Set Help context	239
Button	276	DoOemButton	Set Jog mode CONT (same as button 204)	276
Button	275	DoOemButton	Set Jog mode STEP (same as button 205)	275
Button	306	DoOemButton	Set MPG jogging mode = do multiple exact ste	

Button	305	DoOemButton	Set MPG jogging mode = do single exact steps
Button	303	DoOemButton	Set MPG jogging mode = Velocity 303
Button	304	DoOemButton	Set MPG jogging mode = Velocity/Step 304
Button	210	DoOemButton	Set stock correction to Zero (Turn) 210
Button	156	DoOemButton	Set this line as next to execute 156
Button	214	DoOemButton	Show recent G-code files list 214
Button	232	DoOemButton	Simple Complex screen toggle 232
Button	1004	DoOemButton	Single 1004
Button	112	DoOemButton	Slow Jog Dn 112
Button	111	DoOemButton	Slow Jog Up 111
Button	1029	DoOemButton	Softlimits Toggle 1029
Button	119	DoOemButton	Software limits 119
Button	173	DoOemButton	Spindle CCW toggle 173
Button	110	DoOemButton	"Spindle CW, reset THC height 110 "
Button	151	DoOemButton	SS on Act4 Toggle 151
Button	1003	DoOemButton	Stop 1003
Button	280	DoOemButton	Switch to last used Wizard 280
Button	241	DoOemButton	Tangential toggle 241
Button	222	DoOemButton	THC Anti-dive OFF 222
Button	223	DoOemButton	THC Anti-dive ON 223
Button	337	DoOemButton	Toggle A jog off 337
Button	333	DoOemButton	Toggle axis DROs display Dist to Go 333
Button	338	DoOemButton	Toggle B jog off 338
Button	299	DoOemButton	Toggle bypass feed (enables value in OEM DRO
Button	339	DoOemButton	Toggle C jog off 339
Button	300	DoOemButton	Toggle current tool is in front toolpost 300
Button	283	DoOemButton	Toggle dual MPG flag 283
Button	245	DoOemButton	Toggle Jog Mode through Cont/Step/MPG as rel

Button	131	DoOemButton	Toggle Mill/Turn mode 131
Button	287	DoOemButton	Toggle override of rapid feeds 287
Button	284	DoOemButton	Toggle shuttle mode for MPG 284
Button	282	DoOemButton	Toggle taper mode on MPG 2 282
Button	325	DoOemButton	Toggle use of spindle step line to control
Button	323	DoOemButton	Toggle visibility of screen 50 323
Button	334	DoOemButton	Toggle X jog off 334
Button	335	DoOemButton	Toggle Y jog off 335
Button	336	DoOemButton	Toggle Z jog off 336
Button	217	DoOemButton	Tool flip toggle (Turn front/rear toolposts)
Button	136	DoOemButton	Tool Offset Tog 136
Button	132	DoOemButton	Tool Path Toggle 132
Button	121	DoOemButton	Tool Tab Save 121
Button	145	DoOemButton	Tool X Offset Touch 145
Button	146	DoOemButton	Tool Z Offset Touch 146
Button	229	DoOemButton	Toolpath Machine/Job toggle 229
Button	124	DoOemButton	Torch Cal Zero 124
Button	123	DoOemButton	Torch Enable Toggle 123
Button	120	DoOemButton	Touch button for Tool length offset 120
Button	148	DoOemButton	Touch Corr Enable Toggle 148
Button	324	DoOemButton	Turn mode tool touch off X axis 324
Button	326	DoOemButton	Turn mode tool touch off Z axis 326
Button	348	DoOemButton	Turn off display of menu bar 348
Button	349	DoOemButton	Turn on display of menu bar 349
Button	297	DoOemButton	Unconditional crop any dwell now 297
Button	106	DoOemButton	Units 106
Button	155	DoOemButton	Units/rev - Units/min toggle 155
Button	328	DoOemButton	unknown 328

Button	1020	DoOemButton	Verify 1020
Button	167	DoOemButton	Z inhibit toggle 167
Button	1011	DoOemButton	Zero A 1011
Button	1007	DoOemButton	Zero All 1007
Button	1012	DoOemButton	Zero B 1012
Button	1013	DoOemButton	Zero C 1013
Button	166	DoOemButton	Zero laser grid at current location 166
Button	116	DoOemButton	Zero radius DRO on X 116
Button	117	DoOemButton	Zero radius DRO on Y 117
Button	118	DoOemButton	Zero radius DRO on Z 118
Button	1008	DoOemButton	Zero X 1008
Button	133	DoOemButton	Zero X Encoder 133
Button	161	DoOemButton	Zero X-Z to stock as defined in DROs (Turn)
Button	1009	DoOemButton	Zero Y 1009
Button	134	DoOemButton	Zero Y Encoder 134
Button	1010	DoOemButton	Zero Z 1010
Button	135	DoOemButton	Zero Z Encoder 135
Button	219	DoOemButton	Z-inhibit OFF 219
Button	218	DoOemButton	Z-inhibit ON 218
Button	183	DoOemButton	
Button	328	DoOemButton	
Button	347	DoOemButton	
Button	356	DoOemButton	
Button	357	DoOemButton	
Button	358	DoOemButton	
Button	359	DoOemButton	
Button	366	DoOemButton	
Button	367	DoOemButton	

Button	368	DoOemButton	
Button	369	DoOemButton	
Button	370	DoOemButton	
Button	371	DoOemButton	
Button	372	DoOemButton	
Button	373	DoOemButton	
Button	374	DoOemButton	
Button	375	DoOemButton	
Button	378	DoOemButton	
Button		DoOemButton	
DRO	133	GetDRO/SetDRO	??? Engine lookahead DRO 133
DRO	99	GetDRO/SetDRO	??? Spindle ratio DRO 99
DRO	199	GetDRO/SetDRO	A axis Distance to Go DRO 199
DRO	193	GetDRO/SetDRO	A axis home location used by G28 DRO 193
DRO	36	GetDRO/SetDRO	A axis Ref Sw DRO 36
DRO	187	GetDRO/SetDRO	A Cont. Pnt. coord (Machine - Work - G52/G92
DRO	803	GetDRO/SetDRO	A DRO 803
DRO	833	GetDRO/SetDRO	A Fixture Orig Off DRO 833
DRO	19	GetDRO/SetDRO	A G92 Axis Off DRO 19
DRO	86	GetDRO/SetDRO	A Machine Coord DRO 86
DRO	13	GetDRO/SetDRO	A max DRO 13
DRO	7	GetDRO/SetDRO	A min DRO 7
DRO	62	GetDRO/SetDRO	A Scale DRO 62
DRO	809	GetDRO/SetDRO	A Vel DRO 809
DRO	140	GetDRO/SetDRO	Actual count from encoder 1 - debug use only
DRO	141	GetDRO/SetDRO	Actual count from encoder 2 - debug use only
DRO	142	GetDRO/SetDRO	Actual count from encoder 3 - debug use only
DRO	143	GetDRO/SetDRO	Actual count from encoder 4 - debug use only

DRO	144	GetDRO/SetDRO	Actual count from encoder 5 - debug use only
DRO	145	GetDRO/SetDRO	Actual count from encoder 6 - debug use only
DRO	118	GetDRO/SetDRO	Angle of rotation of X/Y coordinate system
DRO	116	GetDRO/SetDRO	Angle of taper to be cut with MPG tapering
DRO	82	GetDRO/SetDRO	Anti-dive limit DRO 82
DRO	132	GetDRO/SetDRO	Axis 6 Tripcount - system debug use only DRO
DRO	200	GetDRO/SetDRO	B axis Distance to Go DRO 200
DRO	194	GetDRO/SetDRO	B axis home location used by G28 DRO 194
DRO	37	GetDRO/SetDRO	B axis Ref Sw DRO 37
DRO	188	GetDRO/SetDRO	B Cont. Pnt. coord (Machine - Work - G52/G92
DRO	804	GetDRO/SetDRO	B DRO 804
DRO	834	GetDRO/SetDRO	B Fixture Orig Off DRO 834
DRO	20	GetDRO/SetDRO	B G92 Axis Off DRO 20
DRO	87	GetDRO/SetDRO	B Machine Coord DRO 87
DRO	14	GetDRO/SetDRO	B max DRO 14
DRO	8	GetDRO/SetDRO	B min DRO 8
DRO	63	GetDRO/SetDRO	B Scale DRO 63
DRO	810	GetDRO/SetDRO	B Vel DRO 810
DRO	89	GetDRO/SetDRO	Blend factor DRO 89
DRO	813	GetDRO/SetDRO	Blended Velocity DRO 813
DRO	220	GetDRO/SetDRO	Brains exe time (ms) 220
DRO	201	GetDRO/SetDRO	C axis Distance to Go DRO 201
DRO	195	GetDRO/SetDRO	C axis home location used by G28 DRO 195
DRO	38	GetDRO/SetDRO	C axis Ref Sw DRO 38
DRO	189	GetDRO/SetDRO	C Cont. Pnt. coord (Machine - Work - G52/G92
DRO	805	GetDRO/SetDRO	C DRO 805
DRO	835	GetDRO/SetDRO	C Fixture Orig Off DRO 835
DRO	21	GetDRO/SetDRO	C G92 Axis Off DRO 21

DRO	88	GetDRO/SetDRO	C Machine Coord DRO 88
DRO	15	GetDRO/SetDRO	C max DRO 15
DRO	9	GetDRO/SetDRO	C min DRO 9
DRO	64	GetDRO/SetDRO	C Scale DRO 64
DRO	811	GetDRO/SetDRO	C Vel DRO 811
DRO	137	GetDRO/SetDRO	Count of actual pulses output on A - debug
DRO	138	GetDRO/SetDRO	Count of actual pulses output on B - debug u
DRO	139	GetDRO/SetDRO	Count of actual pulses output on C - debug u
DRO	134	GetDRO/SetDRO	Count of actual pulses output on X - debug u
DRO	135	GetDRO/SetDRO	Count of actual pulses output on Y - debug u
DRO	136	GetDRO/SetDRO	Count of actual pulses output on Z - debug u
DRO	28	GetDRO/SetDRO	CPU Load DRO 28
DRO	53	GetDRO/SetDRO	CPU Speed DRO 53
DRO	816	GetDRO/SetDRO	Curr Line no DRO 816
DRO	46	GetDRO/SetDRO	Current Fixture Number DRO 46
DRO	203	GetDRO/SetDRO	Current pulley reversed direction 203
DRO	72	GetDRO/SetDRO	Current Spin Counts DRO 72
DRO	836	GetDRO/SetDRO	Current Tool length DRO 836
DRO	124	GetDRO/SetDRO	Current velocity of MPG 1 DRO 124
DRO	125	GetDRO/SetDRO	Current velocity of MPG 2 DRO 125
DRO	204	GetDRO/SetDRO	Current X offset of Turn tool 204
DRO	97	GetDRO/SetDRO	CV Feedrate DRO 97
DRO	105	GetDRO/SetDRO	Diameter of current tool DRO 105
DRO	162	GetDRO/SetDRO	Distance from front to rear toolpost DRO 16
DRO	814	GetDRO/SetDRO	Elapsed DRO 814
DRO	29	GetDRO/SetDRO	Encoder 1 (X) position DRO 29
DRO	170	GetDRO/SetDRO	Encoder 1 position (in units) DRO 170
DRO	30	GetDRO/SetDRO	Encoder 2 (Y) position DRO 30

DRO	171	GetDRO/SetDRO	Encoder 2 position (in units) DRO	171
DRO	31	GetDRO/SetDRO	Encoder 3 (Z) position DRO	31
DRO	172	GetDRO/SetDRO	Encoder 3 position (in units) DRO	172
DRO	173	GetDRO/SetDRO	Encoder 4 position (in units) DRO	173
DRO	100	GetDRO/SetDRO	Encoder 4 position DRO	100
DRO	208	GetDRO/SetDRO	Encoder X reading corrected by offsets	208
DRO	209	GetDRO/SetDRO	Encoder Y reading corrected by offsets	209
DRO	210	GetDRO/SetDRO	Encoder Z reading corrected by offsets	210
DRO	69	GetDRO/SetDRO	Entrance Trigger DRO	69
DRO	127	GetDRO/SetDRO	Error between Encoder 1 and abs X position D	
DRO	128	GetDRO/SetDRO	Error between Encoder 2 and abs Y position D	
DRO	129	GetDRO/SetDRO	Error between Encoder 3 and abs Z position D	
DRO	815	GetDRO/SetDRO	Estimate DRO	815
DRO	98	GetDRO/SetDRO	Feed override increment value DRO	98
DRO	122	GetDRO/SetDRO	Feed rate ignoring that set in F word DRO	12
DRO	818	GetDRO/SetDRO	Feedrate DRO	818
DRO	126	GetDRO/SetDRO	Feedrate for use with MPG step jogs DRO	126
DRO	821	GetDRO/SetDRO	Feedrate Override (FRO)	821
DRO	91	GetDRO/SetDRO	G73 Pull-off value DRO	91
DRO	71	GetDRO/SetDRO	Interrupts per spindle rev DRO	71
DRO	828	GetDRO/SetDRO	Jog Inc DRO	828
DRO	1	GetDRO/SetDRO	Jog Inc Inc DRO	1
DRO	119	GetDRO/SetDRO	Laser grid spacing DRO	119
DRO	76	GetDRO/SetDRO	Laser X Grid DRO	76
DRO	77	GetDRO/SetDRO	Laser Y Grid DRO	77
DRO	79	GetDRO/SetDRO	Lower Z-Inhibit By DRO	79
DRO	65	GetDRO/SetDRO	Lowest Torch Correction DRO	65
DRO	181	GetDRO/SetDRO	Machine A coord - A Work Offset DRO	181

DRO	182	GetDRO/SetDRO	Machine B coord - B Work Offset DRO	182
DRO	183	GetDRO/SetDRO	Machine C coord - C Work Offset DRO	183
DRO	178	GetDRO/SetDRO	Machine X coord - X Work Offset DRO	178
DRO	179	GetDRO/SetDRO	Machine Y coord - Y Work Offset DRO	179
DRO	180	GetDRO/SetDRO	Machine Z coord - Z Work Offset - Tool lengt	
DRO	67	GetDRO/SetDRO	Max Entrance Points DRO	67
DRO	57	GetDRO/SetDRO	Max Spindle Speed on current pulley DRO	57
DRO	121	GetDRO/SetDRO	Minimum spindle speed on current pulley DRO	
DRO	146	GetDRO/SetDRO	ModBus input 64 DRO	146
DRO	147	GetDRO/SetDRO	ModBus input 65 DRO	147
DRO	148	GetDRO/SetDRO	ModBus input 66 DRO	148
DRO	149	GetDRO/SetDRO	ModBus input 67 DRO	149
DRO	101	GetDRO/SetDRO	MPG 1 count DRO	101
DRO	102	GetDRO/SetDRO	MPG 2 count DRO	102
DRO	103	GetDRO/SetDRO	MPG 3 count DRO	103
DRO	120	GetDRO/SetDRO	Number of incremental jogs that can be buffe	
DRO	224	GetDRO/SetDRO	Number of macros currently running	224
DRO	90	GetDRO/SetDRO	Number of spindle disc slots DRO	90
DRO	55	GetDRO/SetDRO	Overridden Feed Rate DRO (read only?)	55
DRO	202	GetDRO/SetDRO	Overriden spindle speed DRO	202
DRO	50	GetDRO/SetDRO	Part A Offset DRO	50
DRO	51	GetDRO/SetDRO	Part B Offset DRO	51
DRO	52	GetDRO/SetDRO	Part C Offset DRO	52
DRO	47	GetDRO/SetDRO	Part X Offset DRO	47
DRO	175	GetDRO/SetDRO	Part X radius/diameter for Touching to toolt	
DRO	48	GetDRO/SetDRO	Part Y Offset DRO	48
DRO	176	GetDRO/SetDRO	Part Z location for Touching to tooltable DR	
DRO	49	GetDRO/SetDRO	Part Z Offset DRO	49

DRO	81	GetDRO/SetDRO	Port Bit-test DRO (diagnostic) 81
DRO	221	GetDRO/SetDRO	Probe Radius 221
DRO	56	GetDRO/SetDRO	Pulley DRO 56
DRO	2	GetDRO/SetDRO	Pulse Freq DRO 2
DRO	24	GetDRO/SetDRO	PWM Base DRO 24
DRO	22	GetDRO/SetDRO	Queue Depth DRO 22
DRO	104	GetDRO/SetDRO	Rapid feedrate DRO 104
DRO	223	GetDRO/SetDRO	Rapid Override 223
DRO	78	GetDRO/SetDRO	Repetitions DRO 78
DRO	205	GetDRO/SetDRO	reserved 205
DRO	206	GetDRO/SetDRO	reserved 206
DRO	207	GetDRO/SetDRO	reserved 207
DRO	218	GetDRO/SetDRO	reserved 218
DRO	219	GetDRO/SetDRO	reserved 219
DRO	94	GetDRO/SetDRO	reserved 94
DRO	95	GetDRO/SetDRO	reserved 95
DRO	96	GetDRO/SetDRO	reserved 96
DRO	177	GetDRO/SetDRO	reserved DRO 177
DRO	825	GetDRO/SetDRO	Rot A diameter DRO 825
DRO	826	GetDRO/SetDRO	Rot B diameter DRO 826
DRO	827	GetDRO/SetDRO	Rot C diameter DRO 827
DRO	68	GetDRO/SetDRO	Rotational Time Error DRO 68
DRO	54	GetDRO/SetDRO	Safe Z DRO 54
DRO	3	GetDRO/SetDRO	Slow Jog % DRO 3
DRO	131	GetDRO/SetDRO	SLS Dist - laser position measurement DRO 13
DRO	153	GetDRO/SetDRO	Softlimit A Maximum DRO 153
DRO	159	GetDRO/SetDRO	Softlimit A Minimum DRO 159
DRO	154	GetDRO/SetDRO	Softlimit B Maximum DRO 154

DRO	160	GetDRO/SetDRO	Softlimit B Minimum DRO 160
DRO	155	GetDRO/SetDRO	Softlimit C Maximum DRO 155
DRO	161	GetDRO/SetDRO	Softlimit C Minimum DRO 161
DRO	150	GetDRO/SetDRO	Softlimit X Maximum DRO 150
DRO	156	GetDRO/SetDRO	Softlimit X Minimum DRO 156
DRO	151	GetDRO/SetDRO	Softlimit Y Maximum DRO 151
DRO	157	GetDRO/SetDRO	Softlimit Y Minimum DRO 157
DRO	152	GetDRO/SetDRO	Softlimit Z Maximum DRO 152
DRO	158	GetDRO/SetDRO	Softlimit Z Minimum DRO 158
DRO	73	GetDRO/SetDRO	Spin Adder DRO 73
DRO	817	GetDRO/SetDRO	Spindle requested DRO 817
DRO	217	GetDRO/SetDRO	Spindle Seconds CW 217
DRO	117	GetDRO/SetDRO	Spindle speed as surface speed DRO 117
DRO	74	GetDRO/SetDRO	Spindle Speed Override DRO 74
DRO	75	GetDRO/SetDRO	Stock Size DRO 75
DRO	222	GetDRO/SetDRO	Sub Program depth 222
DRO	92	GetDRO/SetDRO	Tangential lift threshold angle DRO 92
DRO	93	GetDRO/SetDRO	Tangential lift Z level DRO 93
DRO	66	GetDRO/SetDRO	Threading Entrance Angle DRO 66
DRO	130	GetDRO/SetDRO	Time (uSec) in interrupt handler DRO 130
DRO	70	GetDRO/SetDRO	Time Correction Derivative DRO 70
DRO	23	GetDRO/SetDRO	Time Scale DRO 23
DRO	106	GetDRO/SetDRO	Tip direction of current tool DRO 106
DRO	43	GetDRO/SetDRO	Tool Dia DRO 43
DRO	32	GetDRO/SetDRO	Tool length offset 32
DRO	107	GetDRO/SetDRO	Tool nose radius of current tool DRO 107
DRO	824	GetDRO/SetDRO	Tool number DRO 824
DRO	123	GetDRO/SetDRO	Tool post offset (between front and rear pos

DRO	44	GetDRO/SetDRO	Tool Tip Rad DRO 44
DRO	112	GetDRO/SetDRO	Tool turret angle of current tool DRO 112
DRO	41	GetDRO/SetDRO	Tool X Offset DRO 41
DRO	42	GetDRO/SetDRO	Tool Z Offset DRO 42
DRO	25	GetDRO/SetDRO	Torch Correction Speed DRO 25
DRO	26	GetDRO/SetDRO	Torch Height Corrorrection DRO 26
DRO	27	GetDRO/SetDRO	Torch Height Max DRO 27
DRO	45	GetDRO/SetDRO	Touch Correction DRO 45
DRO	39	GetDRO/SetDRO	True spindle DRO 39
DRO	113	GetDRO/SetDRO	Velocity of MPG 1 DRO 113
DRO	114	GetDRO/SetDRO	Velocity of MPG 2 DRO 114
DRO	115	GetDRO/SetDRO	Velocity of MPG 3 DRO 115
DRO	58	GetDRO/SetDRO	Velocity per Rev DRO 58
DRO	40	GetDRO/SetDRO	Worst Case DRO 40
DRO	196	GetDRO/SetDRO	X axis Distance to Go DRO 196
DRO	190	GetDRO/SetDRO	X axis home location used by G28 DRO 190
DRO	33	GetDRO/SetDRO	X axis Ref Sw DRO 33
DRO	184	GetDRO/SetDRO	X Cont. Pnt. coord (Machine - Work - G52/G92
DRO	800	GetDRO/SetDRO	X DRO 800
DRO	830	GetDRO/SetDRO	X Fixture Orig Off DRO 830
DRO	16	GetDRO/SetDRO	X G92 Axis Off DRO 16
DRO	83	GetDRO/SetDRO	X Machine Coord DRO 83
DRO	10	GetDRO/SetDRO	X max DRO 10
DRO	4	GetDRO/SetDRO	X min DRO 4
DRO	108	GetDRO/SetDRO	X offset of current tool DRO 108
DRO	59	GetDRO/SetDRO	X Scale DRO 59
DRO	211	GetDRO/SetDRO	X soft limits Max 211
DRO	214	GetDRO/SetDRO	X soft limits Min 214

DRO	806	GetDRO/SetDRO	X Vel DRO 806
DRO	110	GetDRO/SetDRO	X wear offset of current tool DRO 110
DRO	197	GetDRO/SetDRO	Y axis Distance to Go DRO 197
DRO	191	GetDRO/SetDRO	Y axis home location used by G28 DRO 191
DRO	34	GetDRO/SetDRO	Y axis Ref Sw DRO 34
DRO	185	GetDRO/SetDRO	Y Cont. Pnt. coord (Machine - Work - G52/G92
DRO	801	GetDRO/SetDRO	Y DRO 801
DRO	831	GetDRO/SetDRO	Y Fixture Orig Off DRO 831
DRO	17	GetDRO/SetDRO	Y G92 Axis Off DRO 17
DRO	84	GetDRO/SetDRO	Y Machine Coord DRO 84
DRO	11	GetDRO/SetDRO	Y max DRO 11
DRO	5	GetDRO/SetDRO	Y min DRO 5
DRO	60	GetDRO/SetDRO	Y Scale DRO 60
DRO	212	GetDRO/SetDRO	y soft limits Max 212
DRO	215	GetDRO/SetDRO	y soft limits Min 215
DRO	807	GetDRO/SetDRO	Y Vel DRO 807
DRO	198	GetDRO/SetDRO	Z axis Distance to Go DRO 198
DRO	192	GetDRO/SetDRO	Z axis home location used by G28 DRO 192
DRO	35	GetDRO/SetDRO	Z axis Ref Sw DRO 35
DRO	186	GetDRO/SetDRO	Z Cont. Pnt. coord (Machine - Work - Tool le
DRO	802	GetDRO/SetDRO	Z DRO 802
DRO	832	GetDRO/SetDRO	Z Fixture Orig Off DRO 832
DRO	18	GetDRO/SetDRO	Z G92 Axis Off DRO 18
DRO	85	GetDRO/SetDRO	Z Machine Coord DRO 85
DRO	12	GetDRO/SetDRO	Z max DRO 12
DRO	6	GetDRO/SetDRO	Z min DRO 6
DRO	109	GetDRO/SetDRO	Z offset of current tool DRO 109
DRO	61	GetDRO/SetDRO	Z Scale DRO 61

DRO	213	GetDRO/SetDRO	Z soft limits Max	213
DRO	216	GetDRO/SetDRO	Z soft limits Min	216
DRO	808	GetDRO/SetDRO	Z Vel DRO	808
DRO	111	GetDRO/SetDRO	Z wear offset of current tool DRO	111
DRO	80	GetDRO/SetDRO	Z-Inhibit DRO	80
DRO		GetDRO/SetDRO		
DRO		GetDRO/SetDRO		
DRO		GetDRO/SetDRO		
DRO		GetDRO/SetDRO		
DRO		GetDRO/SetDRO		
LED	839	GetLED/SetLED	A-- Home LED	839
LED	128	GetLED/SetLED	A-- jogging switch active LED	128
LED	838	GetLED/SetLED	A-- Limit LED	838
LED	162	GetLED/SetLED	A macro is running LED	162
LED	20	GetLED/SetLED	A radius corr. LED	20
LED	810	GetLED/SetLED	A ref LED	810
LED	44	GetLED/SetLED	A Scale LED	44
LED	127	GetLED/SetLED	A++ jogging switch active LED	127
LED	837	GetLED/SetLED	A++ Limit LED	837
LED	48	GetLED/SetLED	Abs Coordinate Mode LED	48
LED	113	GetLED/SetLED	Alternative feedrate in use (see OEM DRO	122
LED	70	GetLED/SetLED	Anti-dive enabled LED	70
LED	33	GetLED/SetLED	Auto Lim override LED	33
LED	110	GetLED/SetLED	Axis formula mappin ON LED	110
LED	89	GetLED/SetLED	Axis inhibited A LED	89
LED	90	GetLED/SetLED	Axis inhibited B LED	90
LED	91	GetLED/SetLED	Axis inhibited C LED	91
LED	86	GetLED/SetLED	Axis inhibited X LED	86

LED	87	GetLED/SetLED	Axis inhibited Y LED 87
LED	88	GetLED/SetLED	Axis inhibited Z LED 88
LED	842	GetLED/SetLED	B-- Home LED 842
LED	841	GetLED/SetLED	B-- Limit LED 841
LED	21	GetLED/SetLED	B radius corr. LED 21
LED	811	GetLED/SetLED	B ref LED 811
LED	45	GetLED/SetLED	B Scale LED 45
LED	840	GetLED/SetLED	B++ Limit LED 840
LED	66	GetLED/SetLED	Block Delete On LED 66
LED	845	GetLED/SetLED	C-- Home LED 845
LED	844	GetLED/SetLED	C-- Limit LED 844
LED	22	GetLED/SetLED	C radius corr. LED 22
LED	812	GetLED/SetLED	C ref LED 812
LED	46	GetLED/SetLED	C Scale LED 46
LED	843	GetLED/SetLED	C++ Limit LED 843
LED	166	GetLED/SetLED	Conditions are abnormal LED 166
LED	58	GetLED/SetLED	Cont. Jog is at full speed LED 58
LED	168	GetLED/SetLED	CV Distance tolerance is ON LED 168
LED	84	GetLED/SetLED	CV feed enabled LED 84
LED	56	GetLED/SetLED	CV mode OFF LED 56
LED	54	GetLED/SetLED	CV Mode ON LED 54
LED	92	GetLED/SetLED	Diameter mode active (Turn) LED 92
LED	825	GetLED/SetLED	Digitise In LED 825
LED	855	GetLED/SetLED	Digitise Out LED 855
LED	163	GetLED/SetLED	Distance to go display in Axis DROs LED 163
LED	813	GetLED/SetLED	Dwell LED 813
LED	19	GetLED/SetLED	Emergency LED 19
LED	846	GetLED/SetLED	Enable 1 LED 846

LED	847	GetLED/SetLED	Enable 2 LED 847
LED	848	GetLED/SetLED	Enable 3 LED 848
LED	849	GetLED/SetLED	Enable 4 LED 849
LED	850	GetLED/SetLED	Enable 5 LED 850
LED	851	GetLED/SetLED	Enable 6 LED 851
LED	85	GetLED/SetLED	Enhanced Pulsing NOT in use LED 85
LED	18	GetLED/SetLED	Estimating LED 18
LED	17	GetLED/SetLED	Feed override LED 17
LED	40	GetLED/SetLED	Feed per Min LED 40
LED	39	GetLED/SetLED	Feed per Rev LED 39
LED	111	GetLED/SetLED	Feedhold when part of a block executed - rem
LED	816	GetLED/SetLED	Fixture LED 816
LED	13	GetLED/SetLED	Flood LED 13
LED	114	GetLED/SetLED	Front tool post selected LED 114
LED	10	GetLED/SetLED	G92 LED 10
LED	74	GetLED/SetLED	G-code teaching file is open LED 74
LED	94	GetLED/SetLED	Hotkeys enabled LED 94
LED	803	GetLED/SetLED	Idle LED 803
LED	53	GetLED/SetLED	Ignore Tool Change ON LED 53
LED	72	GetLED/SetLED	IJ Mode is Absolute LED 72
LED	73	GetLED/SetLED	IJ Mode is Incremental LED 73
LED	801	GetLED/SetLED	Inch LED 801
LED	49	GetLED/SetLED	Incremental Coordinate Mode LED 49
LED	826	GetLED/SetLED	Index LED 826
LED	69	GetLED/SetLED	Index signal awaited LED (Turn) 69
LED	821	GetLED/SetLED	Input 1 Active LED 821
LED	822	GetLED/SetLED	Input 2 Active LED 822
LED	823	GetLED/SetLED	Input 3 Active LED 823

LED	824	GetLED/SetLED	Input 4 Active LED 824
LED	14	GetLED/SetLED	Jog mode Cont LED 14
LED	15	GetLED/SetLED	Jog mode Incr LED 15
LED	83	GetLED/SetLED	Jogging enabled LED 83
LED	814	GetLED/SetLED	Joystick enable LED 814
LED	51	GetLED/SetLED	Laser Probe enabled LED 51
LED	827	GetLED/SetLED	Limit OV LED 827
LED	55	GetLED/SetLED	M30 Repeats Enabled LED 55
LED	16	GetLED/SetLED	Mach coords warn LED 16
LED	12	GetLED/SetLED	Mist LED 12
LED	802	GetLED/SetLED	MMs LED 802
LED	130	GetLED/SetLED	Mouse in tool path Pans LED 130
LED	129	GetLED/SetLED	Mouse in tool path Zooms LED 129
LED	62	GetLED/SetLED	MPG 1 Jogs A axis LED 62
LED	63	GetLED/SetLED	MPG 1 Jogs B axis LED 63
LED	64	GetLED/SetLED	MPG 1 Jogs C axis LED 64
LED	59	GetLED/SetLED	MPG 1 Jogs X axis LED 59
LED	60	GetLED/SetLED	MPG 1 Jogs Y axis LED 60
LED	61	GetLED/SetLED	MPG 1 Jogs Z axis LED 61
LED	104	GetLED/SetLED	MPG 2 in taper mode LED 104
LED	101	GetLED/SetLED	MPG 2 Jogs A axis LED 101
LED	102	GetLED/SetLED	MPG 2 Jogs B axis LED 102
LED	103	GetLED/SetLED	MPG 2 Jogs C axis LED 103
LED	98	GetLED/SetLED	MPG 2 Jogs X axis LED 98
LED	99	GetLED/SetLED	MPG 2 Jogs Y axis LED 99
LED	100	GetLED/SetLED	MPG 2 Jogs Z axis LED 100
LED	134	GetLED/SetLED	MPG 3 Jogs A axis LED 134
LED	135	GetLED/SetLED	MPG 3 Jogs B axis LED 135

LED	136	GetLED/SetLED	MPG 3 Jogs C axis LED 136
LED	131	GetLED/SetLED	MPG 3 Jogs X axis LED 131
LED	132	GetLED/SetLED	MPG 3 Jogs Y axis LED 132
LED	133	GetLED/SetLED	MPG 3 Jogs Z axis LED 133
LED	120	GetLED/SetLED	MPG jog multiple steps selected LED 120
LED	57	GetLED/SetLED	MPG Jog On LED 57
LED	119	GetLED/SetLED	MPG jog single exact step mode selected LED
119			
LED	117	GetLED/SetLED	MPG jog Velocity mode selected LED 117
LED	118	GetLED/SetLED	MPG jog Velocity/Step mode selected LED 118
LED	67	GetLED/SetLED	Offline indicator LED 67
LED	75	GetLED/SetLED	Offset in effect on at least one axis LED 75
LED	65	GetLED/SetLED	Optional Stop On LED 65
LED	852	GetLED/SetLED	Output 1/Extrn1 Active LED 852
LED	853	GetLED/SetLED	Output 2/Extrn2 Active LED 853
LED	854	GetLED/SetLED	Output 3/Extrn3 Active LED 854
LED	77	GetLED/SetLED	Output 4 Active LED 77
LED	78	GetLED/SetLED	Output 5 Active LED 78
LED	79	GetLED/SetLED	Output 6 Active LED 79
LED	34	GetLED/SetLED	Override Limits/home switches LED 34
LED	29	GetLED/SetLED	Part Offset on LED (always in 6.11) 29
LED	80	GetLED/SetLED	Pause Active LED 80
LED	805	GetLED/SetLED	Pause LED 805
LED	109	GetLED/SetLED	Rapids being overridden LED 109
LED	115	GetLED/SetLED	Rear tool post selected LED 115
LED	161	GetLED/SetLED	reserved 130 - 161
LED	167	GetLED/SetLED	reserved 167
LED	32	GetLED/SetLED	reserved 32
LED	47	GetLED/SetLED	reserved 47

LED	76	GetLED/SetLED	reserved 76
LED	800	GetLED/SetLED	Reset LED 800
LED	112	GetLED/SetLED	Running in reverse (duplicate) LED - do not
LED	97	GetLED/SetLED	Running in reverse (duplicated by 112) LED 9
LED	106	GetLED/SetLED	Shuttle mode in use LED 106
LED	82	GetLED/SetLED	Single Step mode Active LED 82
LED	23	GetLED/SetLED	Software limits LED 23
LED	107	GetLED/SetLED	Spindle is in CSS (G96) mode LED 107
LED	116	GetLED/SetLED	Spindle is running LED 116
LED	11	GetLED/SetLED	Spindle ON LED (CW or CCW) 11
LED	165	GetLED/SetLED	Spindle rotating CCW LED 165
LED	164	GetLED/SetLED	Spindle rotating CW LED 164
LED	71	GetLED/SetLED	Spindle speed stable LED 71
LED	35	GetLED/SetLED	SS on Act4 LED 35
LED	804	GetLED/SetLED	Start LED 804
LED	999	GetLED/SetLED	System movement in effect or movement immine
LED	81	GetLED/SetLED	Tangential control Active LED 81
LED	36	GetLED/SetLED	THC Arc Good LED 36
LED	68	GetLED/SetLED	Threading feed related to true Spindle speed
LED	50	GetLED/SetLED	Threading Sync Mode LED (Turn) 50
LED	31	GetLED/SetLED	Throttle is Feedrate LED 31
LED	30	GetLED/SetLED	Throttle is Slow Jog LED 30
LED	93	GetLED/SetLED	Timing signal active (Turn) LED 93
LED	806	GetLED/SetLED	Tool change LED 806
LED	28	GetLED/SetLED	Tool Offset on LED 28
LED	27	GetLED/SetLED	Tool Path LED 27
LED	38	GetLED/SetLED	Torch Down active LED 38
LED	24	GetLED/SetLED	Torch En LED 24

LED	37	GetLED/SetLED	Torch Up active LED 37
LED	25	GetLED/SetLED	True spindle Acc LED 25
LED	26	GetLED/SetLED	True spindle Dec LED 26
LED	105	GetLED/SetLED	Two MPGs in use LED 105
LED	95	GetLED/SetLED	Units per minute mode LED 95
LED	96	GetLED/SetLED	Units per rev mode LED 96
LED	830	GetLED/SetLED	X-- Home LED 830
LED	122	GetLED/SetLED	X-- jogging switch active LED 122
LED	829	GetLED/SetLED	X-- Limit LED 829
LED	807	GetLED/SetLED	X ref LED 807
LED	41	GetLED/SetLED	X Scale LED 41
LED	108	GetLED/SetLED	X/Y coordinate system is currently rotated L
LED	121	GetLED/SetLED	X++ jogging switch active LED 121
LED	828	GetLED/SetLED	X++ Limit LED 828
LED	833	GetLED/SetLED	Y-- Home LED 833
LED	124	GetLED/SetLED	Y-- jogging switch active LED 124
LED	832	GetLED/SetLED	Y-- Limit LED 832
LED	808	GetLED/SetLED	Y ref LED 808
LED	42	GetLED/SetLED	Y Scale LED 42
LED	123	GetLED/SetLED	Y++ jogging switch active LED 123
LED	831	GetLED/SetLED	Y++ Limit LED 831
LED	836	GetLED/SetLED	Z-- Home LED 836
LED	126	GetLED/SetLED	Z-- jogging switch active LED 126
LED	835	GetLED/SetLED	Z-- Limit LED 835
LED	809	GetLED/SetLED	Z ref LED 809
LED	43	GetLED/SetLED	Z Scale LED 43
LED	125	GetLED/SetLED	Z++ jogging switch active LED 125
LED	834	GetLED/SetLED	Z++ Limit LED 834

LED	52	GetLED/SetLED	Z-Inhibit ON LED 52
LED	172	GetLED/SetLED	
Parameter		GetParam/SetParam	Coordinates Machine ABS X
Parameter		GetParam/SetParam	Coordinates Machine ABS Y
Parameter		GetParam/SetParam	Coordinates Machine ABS Z
Parameter		GetParam/SetParam	Encoder Position A
Parameter		GetParam/SetParam	Encoder Position X
Parameter		GetParam/SetParam	Encoder Position Y
Parameter		GetParam/SetParam	Encoder Position Z
Parameter		GetParam/SetParam	Feed Rate
Parameter		GetParam/SetParam	Homing Speed A
Parameter		GetParam/SetParam	Homing Speed B
Parameter		GetParam/SetParam	Homing Speed C
Parameter		GetParam/SetParam	Homing Speed X
Parameter		GetParam/SetParam	Homing Speed Y
Parameter		GetParam/SetParam	Homing Speed Z
Parameter		GetParam/SetParam	Motor Acceleration Maximum A
Parameter		GetParam/SetParam	Motor Acceleration Maximum B
Parameter		GetParam/SetParam	Motor Acceleration Maximum C
Parameter		GetParam/SetParam	Motor Acceleration Maximum X
Parameter		GetParam/SetParam	Motor Acceleration Maximum Y
Parameter		GetParam/SetParam	Motor Acceleration Maximum Z
Parameter		GetParam/SetParam	Motor Direction Active
Parameter		GetParam/SetParam	Motor Direction Active A
Parameter		GetParam/SetParam	Motor Direction Active B
Parameter		GetParam/SetParam	Motor Direction Active C
Parameter		GetParam/SetParam	Motor Direction Active X
Parameter		GetParam/SetParam	Motor Direction Active Y

Parameter	GetParam/SetParam	Motor Direction Active Z
Parameter	GetParam/SetParam	Motor Steps per A
Parameter	GetParam/SetParam	Motor Steps per B
Parameter	GetParam/SetParam	Motor Steps per C
Parameter	GetParam/SetParam	Motor Steps per X
Parameter	GetParam/SetParam	Motor Steps per Y
Parameter	GetParam/SetParam	Motor Steps per Z
Parameter	GetParam/SetParam	Motor Velocity Maximum A
Parameter	GetParam/SetParam	Motor Velocity Maximum B
Parameter	GetParam/SetParam	Motor Velocity Maximum C
Parameter	GetParam/SetParam	Motor Velocity Maximum X
Parameter	GetParam/SetParam	Motor Velocity Maximum Y
Parameter	GetParam/SetParam	Motor Velocity Maximum Z
Parameter	GetParam/SetParam	MPG 0 Count
Parameter	GetParam/SetParam	MPG 1 Count
Parameter	GetParam/SetParam	MPG 2 Count
Parameter	GetParam/SetParam	Multi-function DROs Machine/Work/DTG A
Parameter	GetParam/SetParam	Multi-function DROs Machine/Work/DTG B
Parameter	GetParam/SetParam	Multi-function DROs Machine/Work/DTG C
Parameter	GetParam/SetParam	Multi-function DROs Machine/Work/DTG X
Parameter	GetParam/SetParam	Multi-function DROs Machine/Work/DTG Y
Parameter	GetParam/SetParam	Multi-function DROs Machine/Work/DTG Z
Parameter	GetParam/SetParam	Pause Preparation Moves
Parameter	GetParam/SetParam	Repetitions
Parameter	GetParam/SetParam	Safe Z Height
Parameter	GetParam/SetParam	Scale A
Parameter	GetParam/SetParam	Scale B
Parameter	GetParam/SetParam	Scale C

Parameter	GetParam/SetParam	Scale X
Parameter	GetParam/SetParam	Scale Y
Parameter	GetParam/SetParam	Scale Z
Parameter	GetParam/SetParam	Spindle Speed Override
Parameter	GetParam/SetParam	Spindle Speed Override
Parameter	GetParam/SetParam	Spindle Speed True
Parameter	GetParam/SetParam	Tool Change Auto
Parameter	GetParam/SetParam	Tool Description
Parameter	GetParam/SetParam	Tool Get
Parameter	GetParam/SetParam	Tool Path Boundary
Parameter	GetParam/SetParam	Tool Path Lock
Parameter	GetParam/SetParam	Tool Set
Parameter	GetParam/SetParam	Units
Parameter	GetParam/SetParam	Z Limiting Maximum Z
Parameter	GetParam/SetParam	Z Limiting Off/On Toggle Z