

TO	Wire Color	GALIL TERM	LABEL	I/O	Description
Ch A	White	1	+AAX	I	X Auxiliary encoder A+ (HANDWHEEL MPG)
Ch /A	Yellow	2	-AAX	I	X Auxiliary encoder A- (HANDWHEEL MPG)
Ch B	Green	3	+ABX	I	X Auxiliary encoder B+ (HANDWHEEL MPG)
Ch /B	Blue	4	-ABX	I	X Auxiliary encoder B- (HANDWHEEL MPG)
		5	+AAY	I	Y Auxiliary encoder A+
		6	-AAY	I	Y Auxiliary encoder A-
		7	+ABY	I	Y Auxiliary encoder B+
		8	-ABY	I	Y Auxiliary encoder B-
Ch A	White	9	+AAZ	I	Z Auxiliary encoder A+ (HANDWHEEL MPG)
Ch /A	Yellow	10	-AAZ	I	Z Auxiliary encoder A- (HANDWHEEL MPG)
Ch B	Green	11	+ABZ	I	Z Auxiliary encoder B+ (HANDWHEEL MPG)
Ch /B	Blue	12	-ABZ	I	Z Auxiliary encoder B- (HANDWHEEL MPG)
		13	+AAW	I	W Auxiliary encoder A+
		14	-AAW	I	W Auxiliary encoder A-
		15	+ABW	I	W Auxiliary encoder B+
		16	-ABW	I	W Auxiliary encoder B-
Encoders -	Black	17	GND		Signal Ground
Encoders +	Red	18	+VCC		+ 5 Volts
		19	ISO OUT POWER	O	Output Common (for use with the optoisolated output option)
		20	ERROR	O	Error Signal
		21	RESET	I	Reset
		22	CMP	O	Circular Compare Output
AMC (W-4)	Red	23	MOCMDW	O	W axis motor command to amp input (w / respect to ground)
		24	SIGNW	O	W axis sign output for input to stepper motor amp
		25	PWMW	O	W axis pulse output for input to stepper motor amp
AMC (Z-4)	Red	26	MOCMDZ	O	Z axis motor command to amp input (w / respect to ground)
		27	SIGNZ	O	Z axis sign output for input to stepper motor amp
		28	PWMZ	O	Z axis pulse output for input to stepper motor amp
VFD +/- 10VDC	Red	29	MOCMDY	O	Y axis motor command to amp input (w / respect to ground)
		30	SIGNY	O	Y axis sign output for input to stepper motor amp
		31	PWMY	O	Y axis pulse output for input to stepper motor amp
AMC (X-4)	Red	32	MOCMDX	O	X axis motor command to amp input (w / respect to ground)

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		33	SIGNX	O	X axis sign output for input to stepper motor amp
		34	PWMX	O	X axis pulse output for input to stepper motor amp
		35	ISO OUT GND	O	Isolated Output Signal Ground
		36	+VCC	O	+ 5 Volts
AMC (W-11)	Black	37	AMPENW	O	W axis amplifier enable
AMC (Z-11)	Black	38	AMPENZ	O	Z axis amplifier enable
		39	AMPENY	O	Y axis amplifier enable
AMC (X-11)	Black	40	AMPENX	O	X axis amplifier enable
		41	LSCOM	I	Limit Switch Common
		42	HOMEW	I	W axis home input
		43	RLSW	I	W axis reverse limit switch input
		44	FLSW	I	W axis forward limit switch input
		45	HOMEZ	I	Z axis home input
		46	RLSZ	I	Z axis reverse limit switch input
		47	FLSZ	I	Z axis forward limit switch input
		48	HOMEY	I	Y axis home input
		49	RLSY	I	Y axis reverse limit switch input
		50	FLSY	I	Y axis forward limit switch input
		51	HOMEX	I	X axis home input
		52	RLSX	I	X axis reverse limit switch input
		53	FLSX	I	X axis forward limit switch input
		54	+VCC		+ 5 Volts
AMC (X,Y,Z 2,5,7), VFD Signal return	White, Gray, Green, Black	55	GND		Signal Ground
		56	INCOM	I	Input common (Common for general inputs and Abort Input)
		57	XLATCH	I	Input 1 (Used for X axis latch input)
		58	YLATCH	I	Input 2 (Used for Y axis latch input)
		59	ZLATCH	I	Input 3 (Used for Z axis latch input)
		60	WLATCH	I	Input 4 (Used for W axis latch input)
		61	IN5	I	Input 5
		62	IN6	I	Input 6
		63	IN7	I	Input 7

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		64	IN8	I	Input 8
		65	ABORT	I	Abort Input
		66	OUT1	O	Output 1
		67	OUT2	O	Output 2
		68	OUT3	O	Output 3
		69	OUT4	O	Output 4
		70	OUT5	O	Output 5
		71	OUT6	O	Output 6
		72	OUT7	O	Output 7
		73	OUT8	O	Output 8
		74	GND		Signal Ground
		75	AN1	I	Analog Input 1
		76	AN2	I	Analog Input 2
		77	AN3	I	Analog Input 3
		78	AN4	I	Analog Input 4
		79	AN5	I	Analog Input 5
		80	AN6	I	Analog Input 6
		81	AN7	I	Analog Input 7
		82	AN8	I	Analog Input 8
Ch A	White	83	+MAX	I	X Main encoder A+
Ch /A	Yellow	84	-MAX	I	X Main encoder A-
Ch B	Green	85	+MBX	I	X Main encoder B+
Ch /B	Blue	86	-MBX	I	X Main encoder B-
Index	Orange	87	+INX	I	X Main encoder Index +
/Index	Gray	88	-INX	I	X Main encoder Index -
		89	ANA	GND	Analog Signal Ground
		90	+VCC		+ 5 Volts
Ch A	White	91	+MAY	I	Y Main encoder A+, SPINDLE ENCODER
Ch /A	Yellow	92	-MAY	I	Y Main encoder A-, SPINDLE ENCODER
Ch B	Green	93	+MBY	I	Y Main encoder B+, SPINDLE ENCODER
Ch /B	Blue	94	-MBY	I	Y Main encoder B-, SPINDLE ENCODER
Index	Orange	95	+INY	I	Y Main encoder Index +, SPINDLE ENCODER

TO	Wire Color	GALIL TERM	LABEL	I/O	Description
/Index	Gray	96	-INY	I	Y Main encoder Index -, SPINDLE ENCODER
Ch A	White	97	+MAZ	I	Z Main encoder A+
Ch /A	Yellow	98	-MAZ	I	Z Main encoder A-
Ch B	Green	99	+MBZ	I	Z Main encoder B+
Ch /B	Blue	100	-MBZ	I	Z Main encoder B-
Index	Orange	101	+INZ	I	+INZ Z Main encoder Index +
/Index	Gray	102	-INZ	I	Z Main encoder Index -
Encoders -	Black	103	GND		Signal Ground
Encoders +	Red	104	+VCC		+ 5 Volts
Ch A	White	105	+MAW	I	W Main encoder A+, FUTURE LATHE TURRET
Ch /A	Yellow	106	-MAW	I	W Main encoder A-, FUTURE LATHE TURRET
Ch B	Green	107	+MBW	I	W Main encoder B+, FUTURE LATHE TURRET
Ch /B	Blue	108	-MBW	I	W Main encoder B-, FUTURE LATHE TURRET
Index	Orange	109	+INW	I	W Main encoder Index +, FUTURE LATHE TURRET
/Index	Gray	110	-INW	I	W Main encoder Index -, FUTURE LATHE TURRET
		111	+12V		+12 Volts
		112	-12V		-12 Volts

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