



Bill of Materials

400 Gradian Absolute Encoder

Source Data From: DE-160516.PrjPcb
 Project: DE-160516.PrjPcb
 Variant: None

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Footprint	Comment	LibRef	Designator	Description	Quantity
0805		C0805	C100, C104, C105, C106, C108, C109, C111, C112, C113, C117	Ceramic Chip Capacitor - Standard	10
E	220uF	94SS107X0020BP	C101, C102	Solid Aluminum Capacitor with Organic Semiconductor Electrolyte: 100uF, 20V, B Pack	2
C	10uF	94SC106X0016CBP	C103, C107	Solid Aluminum Capacitor with Organic Semiconductor Electrolyte: 10uF, 16V, B Pack	2
1206		C1206	C110	Ceramic Chip Capacitor - Standard	1
CAPPR2.5-6.3X11	470uF	EKA00BA347C0	C114, C115	Aluminum Electrolytic Capacitor, Radial Style with Long Leads: 470uF, 10V	2
49BC-C	10uF	49BC685B010M	C116	Conformal Coated Solid Tantalum Chip Capacitor: 6.8uF, 20% Tolerance, 10 WV @ -55°C to +85°C, Surge= 13V	1
LED 3mm	STATUS	LED 3mm yellow	D100	LED dioda 3 mm	1
LED 3mm	ZERO POS	LED 3mm yellow	D101	LED dioda 3 mm	1
SOD80C	BAV102	BAV102	D102	General-purpose Diode	1
TSSOP16	AEAT-6600	AEAT-6600	IC100	Absolute encoder IC	1
SMD-0603	10uH	7447962	L100, L101, L102, L103, L104, L105, L107, L108, L109	SMD-Multilayer Inductor WML, L = 0.10uH	10
RB5-10.5		PCMC063T-R82MN	L110, L111	SMT Power Choke Coil; Size 7.3x6.6x3.0mm, ±20% Tolerance 0.82uH, 13A	2
HDR1X2	PWR_IN	Header 2	P100	Header, 2-Pin	1
HDR1X2	ALIGN	Header 2	P101	Header, 2-Pin	1
HDR1X10	Header 10	Header 10	P102	Header, 10-Pin	1
HDR1X6	Header 6	Header 6	P103	Header, 6-Pin	1
RD6.35x2.3	1R	ERD2FC	R100, R103	Flame-Retardant Fuse Type Carbon Film Resistor, 4.7 Ohm to 3.3k Ohm Range, 2% and 5% Tolerance, 0.25 W	2
ERA-0603	10K	ERAV	R101, R102, R104, R105, R108, R109	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	6
ERA-0603	2K2	ERAV	R106, R107, R110, R113	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	4
ERA-0805	1R	ERAS	R111, R112	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0805 Size, 0.1 W	2
ERA-0805	3K6	ERAS	R114	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0805 Size, 0.1 W	1
ERA-0805	1k2	ERAS	R115	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0805 Size, 0.1 W	1
DIP16	L293B	L293B	U100, U102, U103	Push-Pull Four Channel Drivers	3
SOIC-SO28_N	PIC18F23K20-I/SO	PIC18F23K20-I/SO	U101	Flash Microcontroller with nanoWatt XLP Technology, 28-pin SOIC, Industrial Temperature	1
751-05_N	MC34063AD	MC34063AD	U104	DC-to-DC Converter Control Circuit	1
ZZ311	REG1117-3.3	REG1117-3.3	U105	800mA and 1A Low Dropout Positive Regulator 2.85V, 3.3V, 5V, and Adjustable	1
					60

Approved

Notes
