



BOM - Dynamixel Interface

#	Reference	Part Number	Description	Manufacturer	Distributor	Quantity
1	U1	TXB0104PWR	Translation - Voltage Levels 4-Bit Bi-directional V-Level Translator	TI	MOUSER	1
2	U2	SN74LVC2G241DCUR	Buffers & Line Drivers Tri-State Dual VSSOP	TI	MOUSER	1
3	R1, R2, R3, R4	ERJ-2RKF1001X	Thick Film Resistors - SMD 0402 1KOhm 1% AEC-Q200	PANASONIC	MOUSER	4
4	R5	ERJ-2RKF1002X	Thick Film Resistors - SMD 0402 10KOhms 1% AEC-Q200	PANASONIC	MOUSER	1
5	C1	885012105012	Multilayer Ceramic Capacitors MLCC - SMD/SMT WCAP-CSGP 1uF 0402 20% 10V MLCC	WE	MOUSER	1
6	C2, C5	885012205037	Multilayer Ceramic Capacitors MLCC - SMD/SMT WCAP-CSGP 0.1uF 0402 10% 16V MLCC	WE	MOUSER	2
7	C3	885012206076	Multilayer Ceramic Capacitors MLCC - SMD/SMT WCAP-CSGP 1uF 0603 10% 25V MLCC	WE	MOUSER	1
8	C4	885012106031	Multilayer Ceramic Capacitors MLCC - SMD/SMT WCAP-CSGP 10uF 25V 20%	WE	MOUSER	1
9	D1, D2	APHHS1005SECK	Standard LEDs - SMD ORANGE WTR CLEAR 160mcd 610nm	KINGBRIGHT	MOUSER	2
10	D3	APHHS1005QBC/D	Standard LEDs - SMD Blue 470nm Water Clear	KINGBRIGHT	MOUSER	1
11	D4	APHHS1005CGCK	Standard LEDs - SMD GREEN WTR CLEAR 40mcd 574nm	KINGBRIGHT	MOUSER	1
Optional						
12	J1	22-05-7035	Headers & Wire Housings 3 CKT 2.5MM R/A HDR	MOLEX	MOUSER	1
13	J1	S3B-EH(LF)(SN)	CONN HEADER R/A 3POS 2.5MM	JST	DIGIKEY	1