



Laser Diode Module Driver
Bill-of-Materials
HW A, Document 1.0, June 11, 2018

Notes:
1) Do not populate: R1

Item	Quantity	Reference	Manufacturer	Manuf. Part #	Distributor	Distrib. Part #	Description
1	1	C1	Kemet	T491A106M016AS	Digi-Key	399-3687-1-ND	Capacitor, 10uF, 20%, 16V, tantalum, size A
2	1	C2	Kemet	C0805C104K5RACTU	Digi-Key	399-1170-1-ND	Capacitor, 0.1uF, 50V, Ceramic, 10%, X7R, 0805
3	1	C3	Kemet	C0805C105K8RACTU	Digi-Key	399-1172-1-ND	Capacitor, 1uF, 10V, Ceramic, X7R, 0805
4	1	D1	Arima Lasers	APCD-635-02-C3-A	Ayase America	N/A	Laser Diode Module w/ APC, 635nm, < 3mW, 6.2mm D
5	1	JP1	Molex	22-28-8032	Digi-Key	WM50015-03-ND	Header, Single row, R/A, 3-pin, 0.244" L, 0.1" P
6	1	U1	Micrel	MIC5213-3.0YC5	Digi-Key	576-2752-1-ND	IC, Linear Regulator, LDO, 3.0V, 80mA, SC70-5
7	1	PCB	OSH Park	LASER DIODE	N/A	N/A	PCB, Fabrication