

Display Number: CDPM763-ND
 Cable Number: CDPM1005-ND
 Punch Down Tool for 13 Pin IDC Connector is A9982-ND
 Cable End Connector to PCB A19061-ND
 Punch Down Tool for 13 Pin IDC Connector is A9982-ND

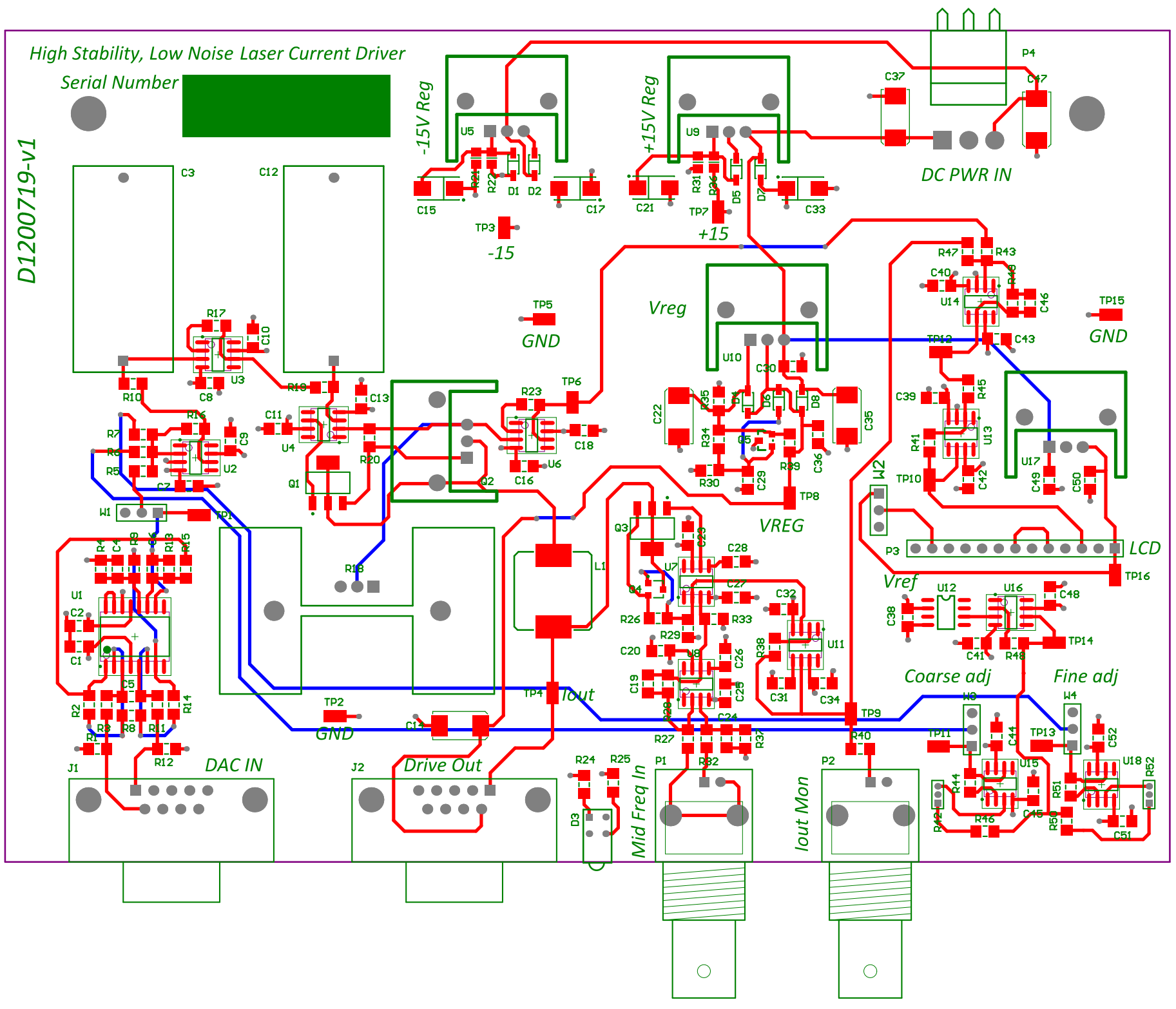


High Stability, Low Noise Laser Current Driver

Serial Number



D1200719-v1



Comment	Description	Designator	Footprint	LibRef	Quantity
1UF	CAP 1.0UF 50V CERAMIC F 1206	C1, C2	3216[1206]	MYCAP	2
22uF	Polarized Cap	C3, C12	AmCap_20UF	CAPACITOR POL	2
5.6nF	CAP 1.0UF 50V CERAMIC F 1206	C4, C5, C6	3216[1206]	MYCAP	3
		C7, C8, C9, C10, C11, C13, C16, C18, C19, C20, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C34, C38, C39, C40, C41, C42, C43, C44, C45, C46, C48, C49, C50, C51, C52			
Cap	Capacitor		3216[1206]	Cap	35
22uF	Polarized Cap	C14	7343-31	CAPACITOR POL	1
10UF Tantalum, 35V	Polarized Cap	C15, C17, C21, C33	6032	CAPACITOR POL	4
10UF	Polarized Cap	C22, C35	7343-31	CAPACITOR POL	2
100n	Polarized Cap	C36	3216[1206]	CAPACITOR POL	1
10UF Tantalum, 35V	Polarized Cap	C37, C47	7343-31	CAPACITOR POL	2
RB160M-60	High Conductance Fast Diode	D1, D2, D5, D7	SOD123	Diode 1N4148	4
DUAL_LED	Dual Led indicator	D3	my LUMEX Dual LED	DUAL_LED	1
Diode 1N4001	1 Amp General Purpose Rectifier	D4, D8	SOD123	Diode 1N4001	2
1N4001	1 Amp General Purpose Rectifier	D6	SOD123	Diode 1N4001	1
Male D9	Receptacle Assembly, 9 Position, Right Angle	J1	MY_DB9M_RA	D Connector 9	1
D Connector 9	Receptacle Assembly, 9 Position, Right Angle	J2	MY_DB9F_RA	D Connector 9	1
Inductor	Inductor	L1	CDRH127	Inductor	1
BNC	BNC Elbow Connector	P1, P2	BNC_RA CON	BNC	2
Header 13	Header, 13-Pin	P3	HDR1X13	Header 13	1
Header 3	Header, 3-Pin	P4	Molex_156_RA_3	Header 3	1
IRFL4310	HEXFET Power MOSFET	Q1, Q3	SOT-223	IRFL4310	2
2N6292	SOT223 NPN Silicon Planar High-Performance Transistor	Q2	WA-T220-101E	FZT649	1
2N5551	NPN General Purpose Amplifier	Q4	SOT-23	2N5551	1
PN2907A	PNP General Purpose Amplifier	Q5	sot-23 3906	PN2907A	1
100K OHM	Resistor	R1, R12	3216[1206]	MYRES	2
0 ohm	Resistor	R2, R3, R11, R14	3216[1206]	MYRES	4
1.50K OHM	Resistor	R4, R13	3216[1206]	MYRES	2
		R5, R6, R7, R10, R16, R17, R19, R20, R23, R26, R27, R28, R29, R30, R32, R33, R34, R37, R38, R40, R41, R43, R44, R45, R46, R47, R48, R49, R50, R51			
Res3	Resistor		3216[1206]	Res3	30
OMIT	Resistor	R8	3216[1206]	MYRES	1
3.01K OHM	Resistor	R9, R15	3216[1206]	MYRES	2
Res3	Resistor	R18	AAV/D 1O220 Heatsink	Res3	1
1.33K		R21	2012[0805]	MYRES	1
120		R22	2012[0805]	MYRES	1
2K	Resistor	R24, R25	3216[1206]	Res3	2
2.67K		R31	2012[0805]	MYRES	1
749	Resistor	R35	3216[1206]	Res3	1
249		R36	2012[0805]	MYRES	1
249	Resistor	R39	3216[1206]	Res3	1
RPot	Potentiometer	R42, R52	MHDR1X3	RPot	2
		TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16			
TESTPT	PCB Testpoint		smt_tp_small	TESTPT	16
LT1125CS	Quad Low Noise, High-Speed Precision Operational Amplifier	U1	SOIC127P1030-16N	LT1125CS	1
OP27GS	Low-Noise, Precision Operational Amplifier	U2, U3, U4, U6, U7, U11, U13, U14, U15, U16, U18	SO-8_N	OP27GS	11
LM337BT	3-Terminal Adjustable Negative Voltage Regulator	U5	WA-T220-101E	LM337BT	1
AD829	Video Operational Amplifier	U8	SOIC127P600-8N	OP184ES	1
LM317T	Three-Terminal Adjustable Output Positive Voltage Regulator	U9, U10	WA-T220-101E	LM317T	2
LT1021	Precision Voltage Reference	U12	SO-8	LT1021	1
MC78T05CT	Three-Ampere Positive Fixed Voltage Regulator	U17	WA-T220-101E	MC78T05CT	1
Jumper	Jumper Wire	W1, W2, W3, W4	HDR1X3	Jumper	4