



Table 1. P4 Connector Pinout

P4 Connector Pin	PCB Pad Identifier	Signal Details	Label Color	Label Text
8	E8	Channel 1 AM Output	BLU	Ch1 AM OUT (8)
7	E7	Channel 1 AGC Output	BLU	Ch1 AGC Out (7)
6	E6	Channel 1 I Video Output	BLU	Ch1 IVID (6)
5	E5	Channel 1 Q Video Output	BLU	Ch1 QVID (5)
4	E4	Channel 1 PCM Input	BLU	Ch1 PCM IN (4)
3	E3	Combined AM Output	VIO	Comb AM OUT (3)
2	E2	Combined AGC Output	VIO	Comb AGC OUT (2)
1	E1	IRIG AM Time Signal Input/Output	GRN	IRIG AM I/O (1)
9-15	--	Ground	-	-

Table 2. Assembly BOM

Description	Qty	Manufacturers PN	Manufacturer
Micro-DSub Aluminum Backshell	2	MEC-28M-01-303-02	Lumistar
MDM 15-pin Female Connector	1	CONN-380-015-213L001	NorComp
MDM 15-pin Female Backshell PCB	1	HARM-3428M0124501	Lumistar
UNC2-56 Thumbscrews	2	NTEC-B7 10 14 305	Northern Technologies
BNC Female RG174 Pigtail, 12"	8	LCOM-SP7363	LCOM
Heat-shrink Tubing	AR	(Common Stock)	(Various)
0-80 82-Degree Stainless Steel Screw, Flathead, 0.3125 Length	4	(Common Stock)	(Various)

Assembly Notes:

- 1.) Place connector identification label containing "P4" on the key side at this location. On the bottom cover place cable assembly number. You may omit the CBL- portion of the assembly number due to size constraints.
- 2.) Place pigtail identification labels with shown text and colors from table 1 at the locations shown and cover with clear heat shrink.
- 3.) Remove plastic thumbscrew covers prior to assembly.
- 4.) Table 2 provides assembly component Bill of Materials.

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Title:
LS-28-M P4 Cable Assembly

Size A	Document Number: CBL-28M-01-P4-03	REV -
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