

P12 Cable Assembly Kit



(Qty 2) Aluminum Backshell Body P12 (MEC-28M-01-301-02)

(Qty 1) MDM 25-pin Female Connector (CONN-380-025-213L001)

(Qty 2) Knurled 2-56 Thumbscrews (NTEC-B71014305)

(Qty 4) 5/16-inch 0-80 Flat-head Philips Screws, Stainless Steel

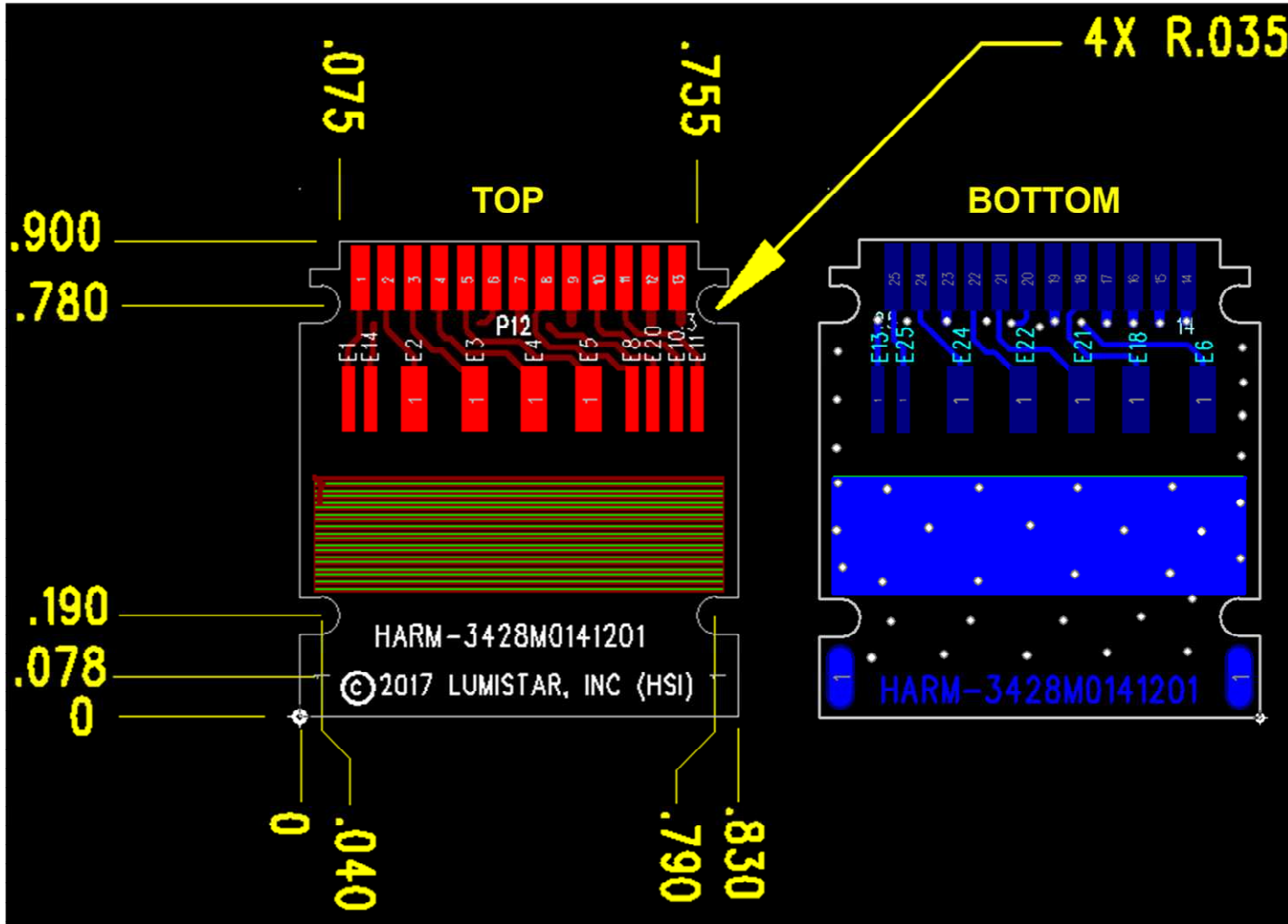
(Qty 1) PCB Board P12 Assembly (HARM-3428M0141201)

Notes:

- 1.) See page 2 for PCB details
- 2.) See page 3 for assembly instructions.

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Title: LS-28M P12 Cable Assembly Kit		
Size A	Document Number: CBL-28M-01-K12-01	REV -
Date: 01/05/19		Sheet 1 of 3

P12 PCB Detail



P12 Connector Pin	PCB Pad Identifier
2	E2
3	E3
4	E4
5	E5
6	E6
18	E18
8	E8
20	E20
10	E10
11	E11
21	E21
22	E22
13	E13
25	E25
1	E1
14	E14
24	E24
17, 18, 20, 21, 23	Ground

Notes:

- 1.) See Table 1 for MDM pin versus E-pad designations.

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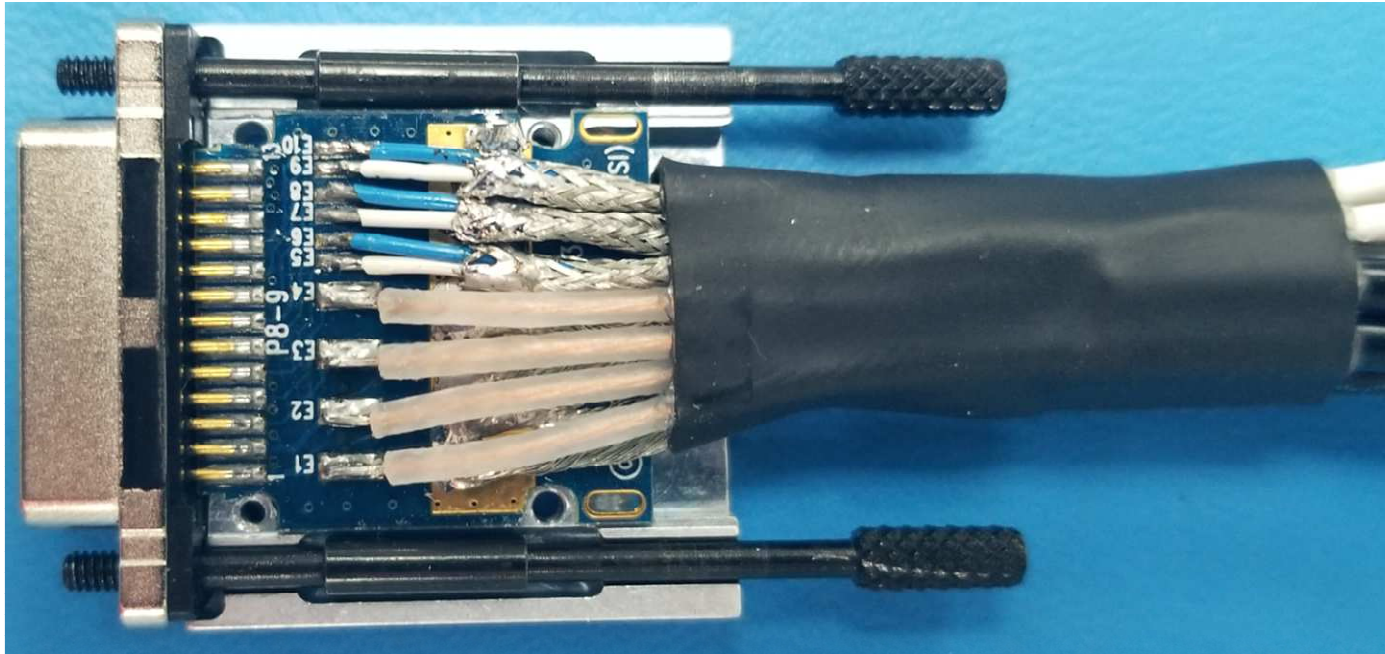
Title:
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Size A	Document Number: CBL-28M-01-K12-01	REV -
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Date: 01/05/19

Sheet 2 of 3

Assembly Instructions



(Picture above is provided as an example for various cable connection types and may not reflect the actual PCB of this specific kit)

Assembly Procedure:

- 1.) Solder MDM connector in an end-launch fashion to the bare PCB assembly.
- 2.) Attach cables to PCB assembly as desired. Terminate shields to the common ground strap on either side of the PCB assembly.
- 3.) Insert MDM-PCB-Cable assembly into one backshell cover.
- 4.) Insert thumbscrews as shown.
- 5.) Apply the opposing back shell half.
- 6.) Use four 0-80 screws, two on each side of the backshell assembly to secure the covers.

Notes:

- 1.) Lumistar recommends the use of RG174 50-ohm Shielded cable for single-ended connections
- 2.) Lumistar recommends the use of Tyco Raychem 55A1121-26-6/9-9 110-ohm Twisted Shielded Pair cabling for differential signals.

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Size A	Document Number: CBL-28M-01-K12-01	REV -
Date: 01/05/19		Sheet 3 of 3