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 2 | REVISION REQUEST |  
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4 DATE: 21 May 2020  
 5 NAME: Kent Lusted  
 6 COMPANY/AFFILIATION: Intel Corporation  
 7 E-MAIL: kent.c.lusted@intel.com  
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9 REQUESTED REVISION:  
 10 STANDARD: IEEE 802.3cd-2018  
 11 CLAUSE NUMBER: Annex 136C  
 12 CLAUSE TITLE: MDIs for 50GBASE-CR, 100GBASE-CR2, and 200GBASE-CR4  
 13 PROPOSED REVISION TEXT:

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 15 Update Table 136C-3 with the correct contact mapping for OSFP

Pin#	Symbol	Description
1	GND	Ground
2	SL1p	Transmitter Data Non-Inverted
3	SL1n	Transmitter Data Inverted
4	GND	Ground
5	SL3p	Transmitter Data Non-Inverted
6	SL3n	Transmitter Data Inverted
7	GND	Ground
8	SL5p	Transmitter Data Non-Inverted
9	SL5n	Transmitter Data Inverted
10	GND	Ground
11	SL7p	Transmitter Data Non-Inverted
12	SL7n	Transmitter Data Inverted
13	GND	Ground
18	GND	Ground
19	DL6n	Receiver Data Inverted
20	DL6p	Receiver Data Non-Inverted
21	GND	Ground
22	DL4n	Receiver Data Inverted
23	DL4p	Receiver Data Non-Inverted
24	GND	Ground
25	DL2n	Receiver Data Inverted
26	DL2p	Receiver Data Non-Inverted
27	GND	Ground
28	DL0n	Receiver Data Inverted
29	DL0p	Receiver Data Non-Inverted
30	GND	Ground
31	GND	Ground
32	DL1p	Receiver Data Non-Inverted
33	DL1n	Receiver Data Inverted
34	GND	Ground
35	DL3p	Receiver Data Non-Inverted
36	DL3n	Receiver Data Inverted
37	GND	Ground
38	DL5p	Receiver Data Non-Inverted
39	DL5n	Receiver Data Inverted
40	GND	Ground
41	DL7p	Receiver Data Non-Inverted
42	DL7n	Receiver Data Inverted
43	GND	Ground
48	GND	Ground

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1  49      SL6n      Transmitter Data Inverted
2  50      SL6p      Transmitter Data Non-Inverted
3  51      GND       Ground
4  52      SL4n      Transmitter Data Inverted
5  53      SL4p      Transmitter Data Non-Inverted
6  54      GND       Ground
7  55      SL2n      Transmitter Data Inverted
8  56      SL2p      Transmitter Data Non-Inverted
9  57      GND       Ground
10 58      SL0n      Transmitter Data Inverted
11 59      SL0p      Transmitter Data Non-Inverted
12 60      GND       Ground

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18 RATIONALE FOR REVISION:

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23 The MDI connector contact mapping for the OSFP connector is  
24 Incorrect in Table 136C-3.  
25 Many of the contact mappings have incorrect polarity and there are  
26 several GND mappings that were missed as well.

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32 IMPACT ON EXISTING NETWORKS:

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34 Incorrect polarities may prevent some protocols, such as the Clause  
35 136.8.11 PMD control function from completing successfully.  
36 Missing ground signals may impact signal quality and degrade the  
37 performance of the network.

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41 |Please attach supporting material, if any|
42 |Submit to:- David Law, Chair IEEE 802.3|
43 |and copy:- Adam Healey, Vice-Chair IEEE 802.3|
44 |
45 |At:- E-Mail: stds-802-3-maint-req@ieee.org|
46 |
47 |          +----- For official use -----+
48 |          | REV REQ NUMBER: 1363          |
49 |          | DATE RECEIVED: 21 May 2020   |
50 |          | EDITORIAL/TECHNICAL          |
51 |          | ACCEPTED/DENIED              |
52 |          | BALLOT REQ'D YES/NO          |
53 |          | COMMENTS:                    |

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55 | For information about this Revision Request see -|
56 |http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1363|
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