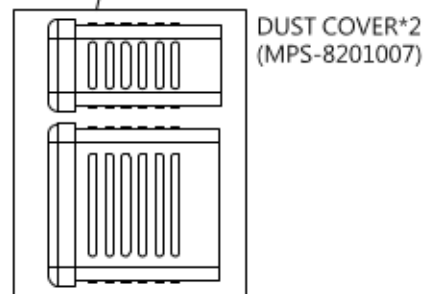
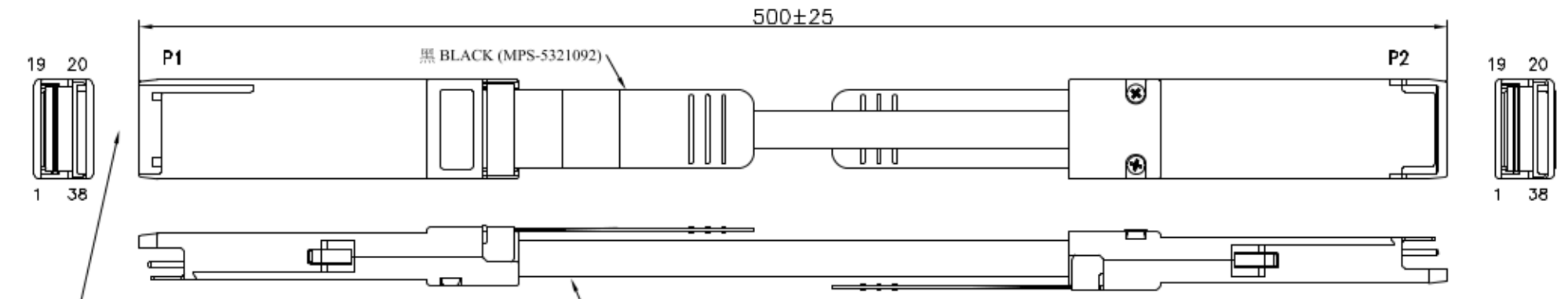


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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| REV. | REMARK | DATE | SIGN. | | | | | |

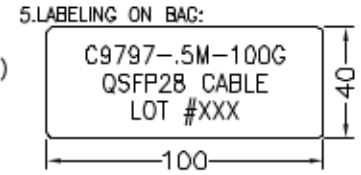
RoHS



MATERIAL ROHS COMPLIANT:

1.CABLE:
 CONDUCTOR: 30AWG SOLID SILVER PLATED COPPER.
 INSULATION: SKIN-FOAM-SKIN
 PAIR: 2 WIRES, WH AND YE PARALLEL.
 CORE: 8 PAIRS
 PAIR DRAIN WIRE: $\phi 0.2$ mm (32AWG) TINNED COPPER.
 PAIR SHIELD: ALUMINUM FOIL OVERLAPPED, APPLIED LONGITUDINALLY.
 INNER SHIELD: ALUMINUM FOIL OVERLAPPED, APPLIED LONGITUDINALLY.
 OUTER SHIELD: TINNED COPPER BRAID, 85% COVERAGE.
 DIAMETER: 6.9 ± 0.3 mm
 PRINT LEGEND: *LEONI High Speed Cables ParaLink®-23
 100 Ω 8pairs 30AWG (shielded) (UL) E118441 CL2 75°C
 DIFFERENTIAL IMPEDANCE: 100 ± 5 OHM.

2.CONNECTOR:
 P1,P2: 4x-Pluggable-QSFP28
 (1) P.C.B: 4 LAYERS, GOLD PLATING ON CONTACT PADS.(SPCB-040138A, AC Coupling)
 (2) LATCH: STAINLESS STEEL WITH PULL TAB, COLOR: BLACK.(MPS-5321092)
 (3) BACKSHELL: ZINC DIE CASTING HOOD/ NICKEL PLATING.
 3.FOR 100GBASE-CR4 USE
 4.TWO-WIRE SERIAL MEMORY: ATMEL AT24C02B EEPROM(256 BYTES),
 DIGITAL MONITORING, CONTROL FUNCTION AND MEMORY PAGE NOT SUPPORTED.



TMC - The Mate Company

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|-------|-------------------------------|--------------|---------|----------|-----------|-------|----------|---------|-------------|--|
| DESC. | QSFP28 Passive Cable Assembly | APPROVED | CHECKED | DESIGNED | TOLERANCE | SCALE | * | UNIT | mm | |
| P/N | C9797-.5M-100G | CUSTOMER P/N | | Sino | | DATE | 05/17/16 | DWG NO: | DWG\RC\7820 | |

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| REV. | REMARK | DATE | SIGN. |
| | | | |

WIRING DIAGRAM

| HIGH SPEED SIGNAL | | | | |
|---|--------|-----|---|--------|
| P1(QSFP28) | | | P2(QSFP28) | |
| PAD | SIGNAL | | PAD | SIGNAL |
| 02 | TX2n | — H | 21 | RX2n |
| 03 | TX2p | — H | 22 | RX2p |
| 05 | TX4n | — H | 24 | RX4n |
| 06 | TX4p | — H | 25 | RX4p |
| 14 | RX3p | H— | 33 | TX3p |
| 15 | RX3n | H— | 34 | TX3n |
| 17 | RX1p | H— | 36 | TX1p |
| 18 | RX1n | H— | 37 | TX1n |
| 21 | RX2n | H— | 02 | TX2n |
| 22 | RX2p | H— | 03 | TX2p |
| 24 | RX4n | H— | 05 | TX4n |
| 25 | RX4p | H— | 06 | TX4p |
| 33 | TX3p | — H | 14 | RX3p |
| 34 | TX3n | — H | 15 | RX3n |
| 36 | TX1p | — H | 17 | RX1p |
| 37 | TX1n | — H | 18 | RX1n |
| GND GROUP | GND | | GND GROUP | GND |
| GND GROUP 01,04,07,13,16,19 20,23,26,32,35,38 | | | GND GROUP 01,04,07,13,16,19 20,23,26,32,36,38 | |
| CONNECTOR SHELL | | | CONNECTOR SHELL | |

*DC BLOCKING CAPS ON P1,P2 RX END.

| LOW SPEED SIGNAL & POWER | | | |
|--------------------------|---------|---|------|
| PAD | SIGNAL | | |
| 08 | ModSelL | — | Vcc |
| 09 | ResetL | — | Vcc |
| 10 | VccRx | — | N.C. |
| 11 | SGL | — | |
| 12 | SDA | — | |
| 27 | ModPrsL | — | GND |
| 28 | IntL | — | N.C. |
| 29 | VccTx | — | Vcc |
| 30 | Vcc1 | — | N.C. |
| 31 | LPMMode | — | N.C. |

TMC - The Mate Company

| | | | | | | | | | | |
|-------|-------------------------------|----------|---------|----------|-----------|-------|----------|---------|-------------|--|
| DESC. | QSFP28 Passive Cable Assembly | APPROVED | CHECKED | DESIGNED | TOLERANCE | SCALE | * | UNIT | mm | |
| P/N | C9797-.5M-100G | | | Sino | | DATE | 05/17/16 | DWG NO: | DWG\RC\7820 | |