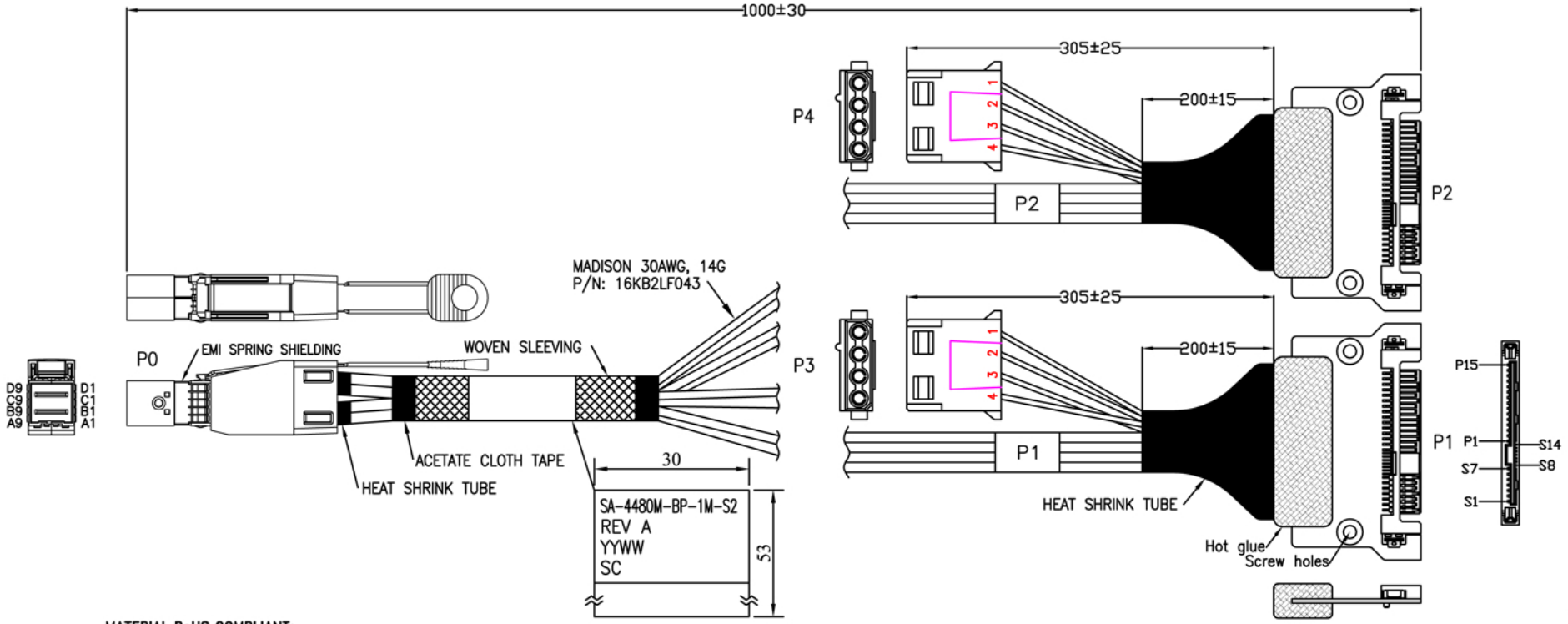
| REV. | REMARK | DATE | SIGN. |
|---|---|---|---|
| | | | |

RoHS



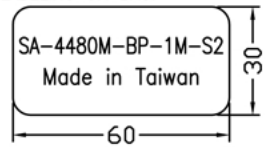

**MATERIAL RoHS COMPLIANT:**

1.CABLE:
CONDUCTOR: 30AWG SOLID SILVER PLATED COPPER.
INSULATION: FOAM POLYOLEFIN.
PAIR: 2 SINGLES LAID FLAT AND PARALLEL.
PAIR DRAIN WIRE: 30AWG SOLID SILVER PLATED COPPER.
PAIR SHIELD: ALUMINUM/POLYESTER TAPE,
ALUMINUM SIDE FACING IN, 25% OVERLAP.
INNER SHIELD: ALUMINUM/POLYESTER TAPE,
ALUMINUM SIDE FACING OUT, 25% OVERLAP.
DIFFERENTIAL IMPEDANCE: 100±5 OHMS @TDR
UL LISTING: TYPE CL2 AS SPECIFIED IN ARTICLE 725
OF THE NATIONAL ELECTRICAL CODE.

2.CONNECTOR:
P0: MiniSASHD4x CABLE PLUG (SFF-8644)
(1) P.C.B: 4 LAYERS, GOLD PLATING ON CONTACT PADS, WITHOUT CARBON
(P/N: MPCB-040113LF REV.A / SPCB-040114A)
(2) LATCH: STAINLESS STEEL
(3) BACKSHELL- ZINC DIE CASTING HOOD/ NICKEL PLATING
(4) PULL TAB: NYLON UL94V-0, COLOR: BLUE.
(5) EMI SPRING SHIELDING
P1,P2: SAS DRIVE R/A SMT PLUG (SFF-8680)
P3,P4: 4 POSITION DC POWER REC.
POWER CABLE: UL 1007 18AWG 80°C 300V

3.FOR SAS 12.0 Gbps.

4.LABELING ON BAG:




| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Serial Cables, LLC | DESC. | Mini SAS HD 4x TO 2*SAS DRIVE R/A SMT PLUG WITH POWER CABLE ASS'Y | | APPROVED | CHECKED | DESIGNED | TOLERANCE | SCALE | * | UNIT | mm | |
| | P/N | B-4807 | CUSTOMER P/N | SA-4480M-BP-1M-S2 | | | Sino | | DATE | 08/08/'14 | DWG NO: | DWG\B\4807 |

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

## WIRING DIAGRAM

| MiniSASHD4x PLUG (P0, HOST) | | SAS DRIVE PLUG(SFF-8680) (P1-P2) | | | 4P POWER REC. | | |
|---|---|---|---|---|---|---|---|
| PIN | SIGNAL | PLUG | PIN | SIGNAL | REC. | PIN | SIGNAL |
| B4 | RX0+ | P1 | S2 | RP+ | P3 | | |
| B5 | RX0- | | S3 | RP- | | | |
| D5 | TX0- | | S5 | TP- | | | |
| D4 | TX0+ | | S6 | TP+ | | | |
| GND GROUP | | | S1,S4,S7 | GND | | | |
| A4 | RX1+ | | S9 | RS+ | | | |
| A5 | RX1- | | S10 | RS- | | | |
| C5 | TX1- | | S12 | TS- | | | |
| C4 | TX1+ | | S13 | TS+ | | | |
| GND GROUP | | | S8,S11,S14 | GND | | | |
| | | | P13,P14,P15 | +12V | | 1 | +12V YELLOW |
| | | | P10,P11,P12 | GND | | 2 | GND BLACK |
| | | | P7,P8,P9 | +5V | | 4 | +5V RED |
| | | | P4,P5,P6 | GND | | 3 | GND BLACK |
| B7 | RX2+ | P2 | S2 | RP+ | P4 | | |
| B8 | RX2- | | S3 | RP- | | | |
| D8 | TX2- | | S5 | TP- | | | |
| D7 | TX2+ | | S6 | TP+ | | | |
| GND GROUP | | | S1,S4,S7 | GND | | | |
| A7 | RX3+ | | S9 | RS+ | | | |
| A8 | RX3- | | S10 | RS- | | | |
| C8 | TX3- | | S12 | TS- | | | |
| C7 | TX3+ | | S13 | TS+ | | | |
| GND GROUP | | | S8,S11,S14 | GND | | | |
| | | | P13,P14,P15 | +12V | | 1 | +12V YELLOW |
| | | | P10,P11,P12 | GND | | 2 | GND BLACK |
| | | | P7,P8,P9 | +5V | | 4 | +5V RED |
| | | | P4,P5,P6 | GND | | 3 | GND BLACK |

P0 GND GROUP:
A3,A6,A9,B3,B6,B9,
C3,C6,C9,D3,D6,D9.

| LOW SPEED SIGNAL & POWER | |
|---|---|
| P0(Mini SAS HD 4x Plug) | |
| PAD | SIGNAL |
| A1 | Reserved — N.C. |
| A2 | IntL — N.C. |
| B1 | Vact — N.C. |
| B2 | ModPrsL — GND |
| C1 | SCL — SERIAL EEPROM |
| C2 | SDA — SERIAL EEPROM — GND |
| D1 | Vact — N.C. |
| D2 | Vman |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Serial Cables, LLC | DESC. | Mini SAS HD 4x TO 2*SAS DRIVE R/A SMT PLUG WITH POWER CABLE ASS'Y | | APPROVED | CHECKED | DESIGNED | TOLERANCE | SCALE | * | UNIT | mm |
| | P/N | B-4807 | CUSTOMER P/N | | | Sino | | DATE | 08/06/'14 | DWG NO: | DWG\B\4807 |