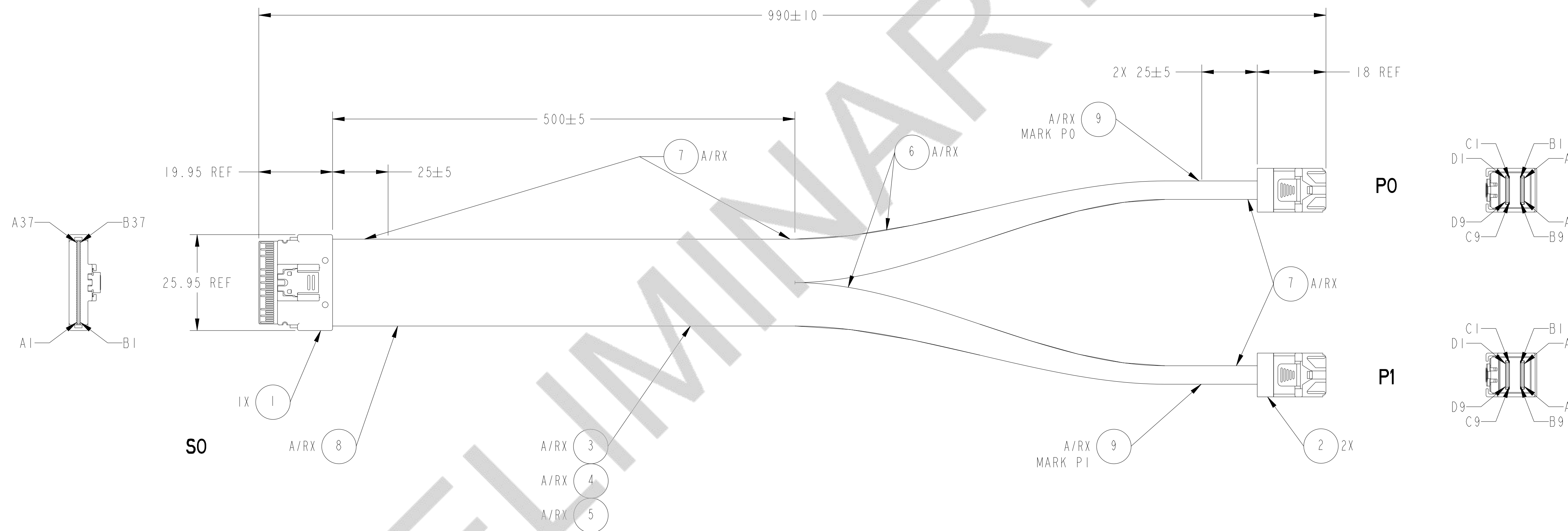


NOTES:

- DRAWING NOT TO SCALE.
- ELECTRICAL AND MECHANICAL PERFORMANCE SHALL MEET SAS 4.0 INDUSTRIAL STANDARDS.
- MARK LABEL (ITEM 8) WITH:
SLIMSAS Y (SFF-9402 SAS)
PART NUMBER
REVISION XXX
DATE CODE DD/MM/YY
- SEE SHEET 2 FOR CABLE WIRING TABLE AND RELATED NOTES.

| REVISIONS | | | | |
|-----------|-----|---------------------|---------|----------|
| REV | ECO | DESCRIPTION | DATE | APPROVED |
| 001 | | PRELIMINARY RELEASE | 28FEB18 | B.LIMA |



| ITEM | CALLOUT | DESCRIPTION | QUANTITY | NOTES |
|------|-----------|---|----------|------------|
| 9 | LABEL | LABEL, 40X14MM, WHITE, R2, HF | A/R | |
| 8 | LABEL | LABEL, 70X26MM, WHITE, R2, HF | A/R | SEE NOTE 3 |
| 7 | TAPE | ACETATE TAPE: W=1 INCH | A/R | |
| 6 | SLEEVING | EXPANDO TUBE: OD=7MM, BLACK, VW-1, HF | A/R | |
| 5 | SLEEVING | EXPANDO TUBE: OD=10MM, BLACK, VW-1, HF | A/R | |
| 4 | WIRE | UL1061, STRANDED | A/R | SEE NOTE 4 |
| 3 | CABLE | SAS CABLE: UL20744, 32AWG, 92.5 OHM DIFF, PCIE GEN 4, VW-1, NATURAL, HF | A/R | SEE NOTE 4 |
| 2 | CONNECTOR | SFF-8643, 36P, STRAIGHT, X4, BLACK, SHORT, SAS 4.0 | 2 | SEE NOTE 4 |
| 1 | CONNECTOR | SFF-8654, 74P, STRAIGHT, X8, SAS 4.0, PCIE GEN 4 | 1 | SEE NOTE 4 |

| APPROVALS | | DATE | UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS. TOLERANCES: X.X ± 0.2 MM X.XX ± 0.15 MM X.XXX ± 0.050 MM ANGLES ± 1° | BROADCOM® | | | |
|---|---------------|---------|---|--|----------------------|------------|-----------------|
| DRAWN BY | D. MONTGOMERY | 15FEB18 | | TITLE CABLE, SFF-8654 X8 TO 2X SFF-8643 X4, 1M | | | |
| APPROVED BY | B. LIMA | 28FEB18 | | | | | |
| <small>Company Confidential © Copyright Broadcom Limited All Rights Reserved. Any copy is an uncontrolled copy. The possessor is responsible for verifying that the document's revision is current. Moreover, the possessor is responsible for removing obsolete documents from their point of use.</small> | | | SCALE 1.500 | SIZE D | DWG NO. 5067-6866 | REV 001 | SHEET 1 OF 2 |



| CONNECTOR SIGNAL | CONNECTOR | PIN/PAD | CONNECTOR | PIN/PAD | CONNECTOR SIGNAL | WIRE/CABLE | NOTES |
|------------------|-----------|---------|-----------|---------|------------------|------------|--------|
| GND | S0 | A1 | P0 | D3 | GND | ITEM 3 | |
| Rx0+ | | A2 | | D4 | Tx0+ | ITEM 3 | |
| Rx0- | | A3 | | D5 | Tx0- | ITEM 3 | |
| GND | | A4 | | C3/D6 | GND | ITEM 3 | NOTE 2 |
| Rx1+ | | A5 | | C4 | Tx1+ | ITEM 3 | |
| Rx1- | | A6 | | C5 | Tx1- | ITEM 3 | |
| GND | | A7 | | C6 | GND | ITEM 3 | |
| SB7A | | A8 | | A2 | SB7 | ITEM 4 | NOTE 1 |
| SB4A | | A9 | | C2 | SB4 | ITEM 4 | NOTE 1 |
| SB3A | | A10 | | B2 | SB3 | ITEM 4 | NOTE 1 |
| SBA+ | | A11 | | | NC | | |
| SBA- | | A12 | | | NC | | |
| GND | | A13 | | D6 | GND | ITEM 3 | |
| Rx2+ | | A14 | | D7 | Tx2+ | ITEM 3 | |
| Rx2- | | A15 | | D8 | Tx2- | ITEM 3 | |
| GND | | A16 | | D9/C6 | GND | ITEM 3 | NOTE 2 |
| Rx3+ | | A17 | | C7 | Tx3+ | ITEM 3 | |
| Rx3- | | A18 | | C8 | Tx3- | ITEM 3 | |
| GND | | A19 | | C9 | GND | ITEM 3 | |
| GND | B1 | B3 | GND | ITEM 3 | | | |
| Tx0+ | B2 | B4 | Rx0+ | ITEM 3 | | | |
| Tx0- | B3 | B5 | Rx0- | ITEM 3 | | | |
| GND | B4 | B6/A3 | GND | ITEM 3 | NOTE 2 | | |
| Tx1+ | B5 | A4 | Rx1+ | ITEM 3 | | | |
| Tx1- | B6 | A5 | Rx1- | ITEM 3 | | | |
| GND | B7 | A6 | GND | ITEM 3 | | | |
| SB0A | B8 | A1 | SB0 | ITEM 4 | NOTE 1 | | |
| SB1A | B9 | B1 | SB1 | ITEM 4 | NOTE 1 | | |
| SB2A | B10 | C1 | SB2 | ITEM 4 | NOTE 1 | | |
| SB5A | B11 | D2 | SB5 | ITEM 4 | NOTE 1 | | |
| SB6A | B12 | D1 | SB6 | ITEM 4 | NOTE 1 | | |
| GND | B13 | B6 | GND | ITEM 3 | | | |
| Tx2+ | B14 | B7 | Rx2+ | ITEM 3 | | | |
| Tx2- | B15 | B8 | Rx2- | ITEM 3 | | | |
| GND | B16 | B9/A6 | GND | ITEM 3 | NOTE 2 | | |
| Tx3+ | B17 | A7 | Rx3+ | ITEM 3 | | | |
| Tx3- | B18 | A8 | Rx3- | ITEM 3 | | | |
| GND | B19 | A9 | GND | ITEM 3 | | | |

| CONNECTOR SIGNAL | CONNECTOR | PIN/PAD | CONNECTOR | PIN/PAD | CONNECTOR SIGNAL | WIRE/CABLE | NOTES |
|------------------|-----------|---------|-----------|---------|------------------|------------|--------|
| GND | S0 | A19 | P1 | D3 | GND | ITEM 3 | |
| Rx4+ | | A20 | | D4 | Tx0+ | ITEM 3 | |
| Rx4- | | A21 | | D5 | Tx0- | ITEM 3 | |
| GND | | A22 | | C3/D6 | GND | ITEM 3 | NOTE 2 |
| Rx5+ | | A23 | | C4 | Tx1+ | ITEM 3 | |
| Rx5- | | A24 | | C5 | Tx1- | ITEM 3 | |
| GND | | A25 | | C6 | GND | ITEM 3 | |
| SB7B | | A26 | | A2 | SB7 | ITEM 4 | NOTE 1 |
| SB4B | | A27 | | C2 | SB4 | ITEM 4 | NOTE 1 |
| SB3B | | A28 | | B2 | SB3 | ITEM 4 | NOTE 1 |
| SBB+ | | A29 | | | NC | | |
| SBB- | | A30 | | | NC | | |
| GND | | A31 | | D6 | GND | ITEM 3 | |
| Rx6+ | | A32 | | D7 | Tx2+ | ITEM 3 | |
| Rx6- | | A33 | | D8 | Tx2- | ITEM 3 | |
| GND | | A34 | | D9/C6 | GND | ITEM 3 | NOTE 2 |
| Rx7+ | | A35 | | C7 | Tx3+ | ITEM 3 | |
| Rx7- | | A36 | | C8 | Tx3- | ITEM 3 | |
| GND | | A37 | | C9 | GND | ITEM 3 | |
| GND | | B19 | | B3 | GND | ITEM 3 | |
| Tx4+ | | B20 | | B4 | Rx0+ | ITEM 3 | |
| Tx4- | | B21 | | B5 | Rx0- | ITEM 3 | |
| GND | | B22 | | B6/A3 | GND | ITEM 3 | NOTE 2 |
| Tx5+ | | B23 | | A4 | Rx1+ | ITEM 3 | |
| Tx5- | | B24 | | A5 | Rx1- | ITEM 3 | |
| GND | | B25 | | A6 | GND | ITEM 3 | |
| SB0B | | B26 | | A1 | SB0 | ITEM 4 | NOTE 1 |
| SB1B | | B27 | | B1 | SB1 | ITEM 4 | NOTE 1 |
| SB2B | | B28 | | C1 | SB2 | ITEM 4 | NOTE 1 |
| SB5B | | B29 | | D2 | SB5 | ITEM 4 | NOTE 1 |
| SB6B | | B30 | | D1 | SB6 | ITEM 4 | NOTE 1 |
| GND | | B31 | | B6 | GND | ITEM 3 | |
| Tx6+ | | B32 | | B7 | Rx2+ | ITEM 3 | |
| Tx6- | | B33 | | B8 | Rx2- | ITEM 3 | |
| GND | | B34 | | B9/A6 | GND | ITEM 3 | NOTE 2 |
| Tx7+ | | B35 | | A7 | Rx3+ | ITEM 3 | |
| Tx7- | | B36 | | A8 | Rx3- | ITEM 3 | |
| GND | B37 | A9 | GND | ITEM 3 | | | |

PRELIMINARY

NOTES:

1. END TO END RESISTANCE OF INDICATED CONNECTION SHALL BE 750 MILLIOHM MAX.
2. CONNECT SHIELD OF DIFFERENTIAL PAIR TO INDICATED PIN/PAD AND SHORT TO SECOND INDICATED PIN/PAD.

| | | | |
|---|---|---|----------------------|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS. TOLERANCES: X.X ± 0.2 MM X.XX ± 0.15 MM X.XXX ± 0.050 MM ANGLES ± 1° | |  BROADCOM | |
| | | TITLE CABLE, SFF-8654 X8 TO 2X SFF-8643 X4, 1M | |
| SCALE 1.500 |  | SIZE D | DWG NO. 5067-6866 |
| | | REV 001 | SHEET 2 OF 2 |

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