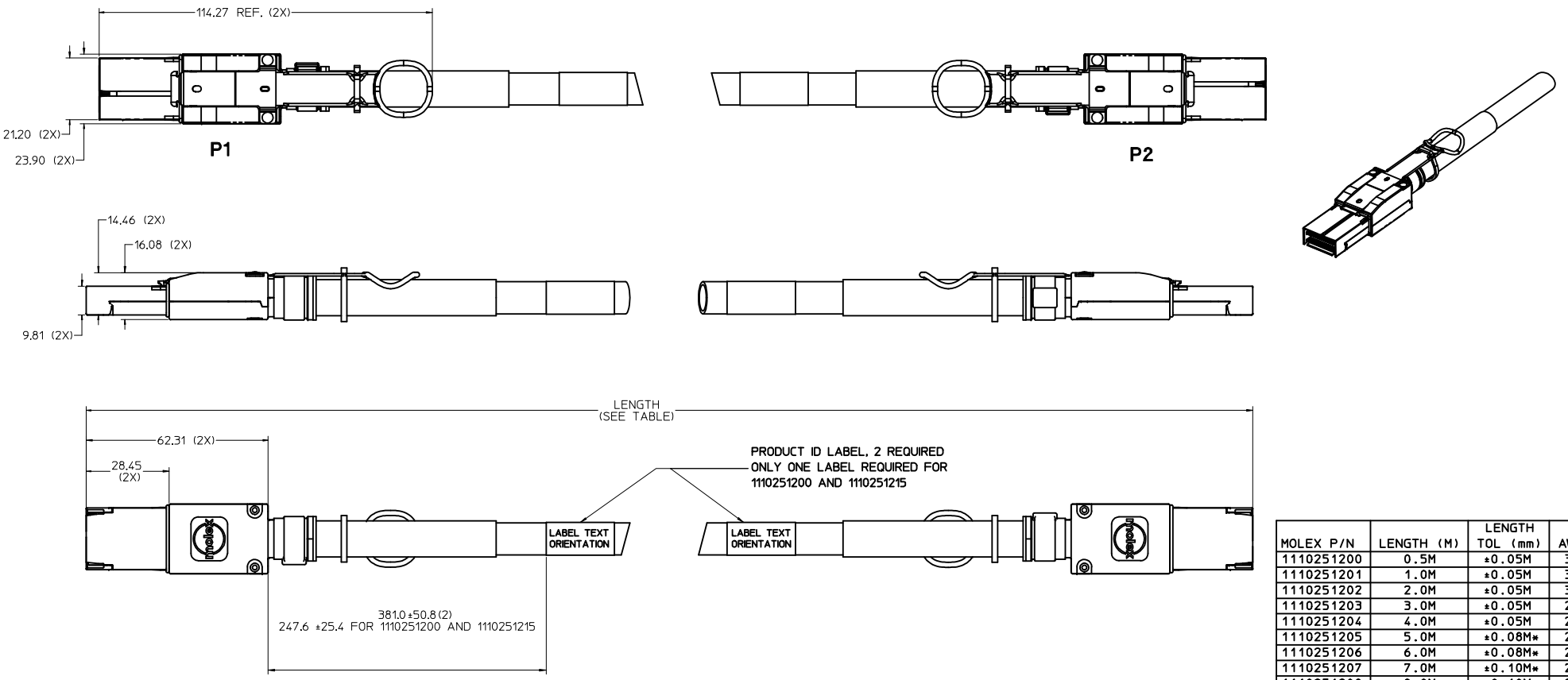





| MOLEX P/N | LENGTH (M) | LENGTH TOL (mm) | AWG |
|---|---|---|---|
| 1110251200 | 0.5M | ±0.05M | 30 |
| 1110251201 | 1.0M | ±0.05M | 30 |
| 1110251202 | 2.0M | ±0.05M | 30 |
| 1110251203 | 3.0M | ±0.05M | 28 |
| 1110251204 | 4.0M | ±0.05M | 26 |
| 1110251205 | 5.0M | ±0.08M* | 26 |
| 1110251206 | 6.0M | ±0.08M* | 26 |
| 1110251207 | 7.0M | ±0.10M* | 26 |
| 1110251208 | 8.0M | ±0.10M* | 26 |
| 1110251209 | 9.0M | ±0.10M* | 26 |
| 1110251210 | 10.0M | ±0.15M* | 26 |
| 1110251213 | 1.2M | ±0.05M | 30 |
| 1110251214 | 1.5M | ±0.05M | 30 |
| 1110251215 | 0.6M | ±0.05M | 30 |
| 1110251230 | 3.5M | ±0.05M | 26 |

* THIS LENGTH WILL NOT MEET THE IBTA SPECIFICATION FOR INSERTION LOSS.

NOTES:
1. MATERIALS
   HOUSINGS: ZINC DIE CAST
   CONTACTS: Au FLASH OVER Ni PLATING
   PULL: NYLON
2. CHARACTERISTIC DIFFERENTIAL IMPEDANCE: 100 OHMS
3. CABLE ASSEMBLIES MEET UL94-V0 PER FILE E72548 VOL. 1
4. CABLE JACKETS ARE CL2 RATED
5. ASSEMBLIES COMPLY WITH IBTA CXP INTERFACE SPECIFICATION EXCEPT AS NOTED.
6. MATING CONNECTOR: 76105-0584
7. RoHS COMPLIANT, NO EXEMPTIONS.

SEE REVISION TABLE
EC NO: CPG2015-0399 2013/09/18
DRWN:EMEDINA 2014/07/15
CHKD:RAGUTI 2014/08/04
APPR:ARAYBURN
DESCRIPTION
REV K

QUALITY SYMBOLS
⌀=0
⌀=0
⌀=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.13 | ± --- |
| 1 PLACE | ± 0.25 | ± --- |
| 0 PLACE | ± --- | ± --- |

ANGULAR ±1/2°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1.5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

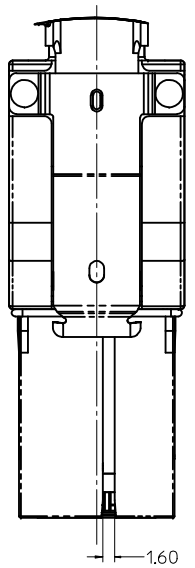
DRAWN BY: KWEBER DATE: 2008/05/20
CHECKED BY: DDOYE DATE: 2008/05/20
APPROVED BY: DDOYE DATE: 2010/10/26
MATERIAL NO.: SEE P/N TABLE
SIZE: D

TITLE: 84CKT PASSIVE CABLE ASSEMBLY QDR INFINIBAND
molex
DOCUMENT NO.: SD-111025-120
SHEET NO.: 1 OF 3

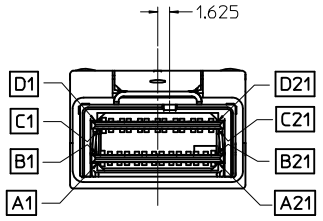
## WIRING CHART

| P1 | | | | P2 | | |
|---|---|---|---|---|---|---|
| PIN | F | SIGNAL | TYPE | PIN | F | SIGNAL |
| A1 | L | GND | C C | C1 | L | GND |
| A2 | S | Tx1p | -----> | C2 | S | Rx1p |
| A3 | S | Tx1n | -----> | C3 | S | Rx1n |
| A4 | L | GND | C C | C4 | L | GND |
| A5 | S | Tx3p | -----> | C5 | S | Rx3p |
| A6 | S | Tx3n | -----> | C6 | S | Rx3n |
| A7 | L | GND | C C | C7 | L | GND |
| A8 | S | Tx5p | -----> | C8 | S | Rx5p |
| A9 | S | Tx5n | -----> | C9 | S | Rx5n |
| A10 | L | GND | C C | C10 | L | GND |
| A11 | S | Tx7p | -----> | C11 | S | Rx7p |
| A12 | S | Tx7n | -----> | C12 | S | Rx7n |
| A13 | L | GND | C C | C13 | L | GND |
| A14 | S | Tx9p | -----> | C14 | S | Rx9p |
| A15 | S | Tx9n | -----> | C15 | S | Rx9n |
| A16 | L | GND | C C | C16 | L | GND |
| A17 | S | Tx11p | -----> | C17 | S | Rx11p |
| A18 | S | Tx11n | -----> | C18 | S | Rx11n |
| A19 | L | GND | C C | C19 | L | GND |
| A20 | S | SCL | ■ ■ | C20 | S | PRSNT |
| A21 | S | SDA | ■ ■ | C21 | S | Int_L/Reset_L |
| B1 | L | GND | C C | D1 | L | GND |
| B2 | S | Tx0p | -----> | D2 | S | Rx0p |
| B3 | S | Tx0n | -----> | D3 | S | Rx0n |
| B4 | L | GND | C C | D4 | L | GND |
| B5 | S | Tx2p | -----> | D5 | S | Rx2p |
| B6 | S | Tx2n | -----> | D6 | S | Rx2n |
| B7 | L | GND | C C | D7 | L | GND |
| B8 | S | Tx4p | -----> | D8 | S | Rx4p |
| B9 | S | Tx4n | -----> | D9 | S | Rx4n |
| B10 | L | GND | C C | D10 | L | GND |
| B11 | S | Tx6p | -----> | D11 | S | Rx6p |
| B12 | S | Tx6n | -----> | D12 | S | Rx6n |
| B13 | L | GND | C C | D13 | L | GND |
| B14 | S | Tx8p | -----> | D14 | S | Rx8p |
| B15 | S | Tx8n | -----> | D15 | S | Rx8n |
| B16 | L | GND | C C | D16 | L | GND |
| B17 | S | Tx10p | -----> | D17 | S | Rx10p |
| B18 | S | Tx10n | -----> | D18 | S | Rx10n |
| B19 | L | GND | C C | D19 | L | GND |
| B20 | M | VCC3.3-Tx | ■ ■ | D20 | M | VCC3.3-Rx |
| B21 | M | VCC12-Rx | ■ ■ | D21 | M | VCC12-Rx |

| P1 | | | | P2 | | |
|---|---|---|---|---|---|---|
| PIN | F | SIGNAL | TYPE | PIN | F | SIGNAL |
| C1 | L | GND | C C | A1 | L | GND |
| C2 | S | Rx1p | <---- | A2 | S | Tx1p |
| C3 | S | Rx1n | <---- | A3 | S | Tx1n |
| C4 | L | GND | C C | A4 | L | GND |
| C5 | S | Rx3p | <---- | A5 | S | Tx3p |
| C6 | S | Rx3n | <---- | A6 | S | Tx3n |
| C7 | L | GND | C C | A7 | L | GND |
| C8 | S | Rx5p | <---- | A8 | S | Tx5p |
| C9 | S | Rx5n | <---- | A9 | S | Tx5n |
| C10 | L | GND | C C | A10 | L | GND |
| C11 | S | Rx7p | <---- | A11 | S | Tx7p |
| C12 | S | Rx7n | <---- | A12 | S | Tx7n |
| C13 | L | GND | C C | A13 | L | GND |
| C14 | S | Rx9p | <---- | A14 | S | Tx9p |
| C15 | S | Rx9n | <---- | A15 | S | Tx9n |
| C16 | L | GND | C C | A16 | L | GND |
| C17 | S | Rx11p | <---- | A17 | S | Tx11p |
| C18 | S | Rx11n | <---- | A18 | S | Tx11n |
| C19 | L | GND | C C | A19 | L | GND |
| C20 | S | PRSNT | ■ ■ | A20 | S | SCL |
| C21 | S | Int_L/Reset_L | ■ ■ | A21 | S | SDA |
| D1 | L | GND | C C | B1 | L | GND |
| D2 | S | Rx0p | <---- | B2 | S | Tx0p |
| D3 | S | Rx0n | <---- | B3 | S | Tx0n |
| D4 | L | GND | C C | B4 | L | GND |
| D5 | S | Rx2p | <---- | B5 | S | Tx2p |
| D6 | S | Rx2n | <---- | B6 | S | Tx2n |
| D7 | L | GND | C C | B7 | L | GND |
| D8 | S | Rx4p | <---- | B8 | S | Tx4p |
| D9 | S | Rx4n | <---- | B9 | S | Tx4n |
| D10 | L | GND | C C | B10 | L | GND |
| D11 | S | Rx6p | <---- | B11 | S | Tx6p |
| D12 | S | Rx6n | <---- | B12 | S | Tx6n |
| D13 | L | GND | C C | B13 | L | GND |
| D14 | S | Rx8p | <---- | B14 | S | Tx8p |
| D15 | S | Rx8n | <---- | B15 | S | Tx8n |
| D16 | L | GND | C C | B16 | L | GND |
| D17 | S | Rx10p | <---- | B17 | S | Tx10p |
| D18 | S | Rx10n | <---- | B18 | S | Tx10n |
| D19 | L | GND | C C | B19 | L | GND |
| D20 | M | VCC3.3-Rx | ■ ■ | B20 | M | VCC3.3-Tx |
| D21 | M | VCC12-Rx | ■ ■ | B21 | M | VCC12-Tx |




POLARIZATION FOR IBTA




PIN LOCATIONS

FINGER CONTACT MATING (F):

L = FIRST MATE (LONG FINGERS)
M = SECOND MATE (MIDDLE FINGERS)
S = LAST MATE (SHORT FINGERS)

CONNECTION TYPE:

C = COMMON GROUND
----> = TRANSMIT TO RECEIVE ON HIGH SPEED PAIRS
■ = CONNECTION TO A CIRCUIT ON the PADDLE CARD

SEE REVISION TABLE
EC NO: CPG2015-0399 2013/09/18
DRWN:EMEDINA 2014/07/15
CHK:DRAGHEI 2014/08/04
APPR:ARAYBURN
DESCRIPTION
REV K

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.13 | ± --- |
| 1 PLACE | ± 0.25 | ± --- |
| 0 PLACE | ± --- | ± --- |

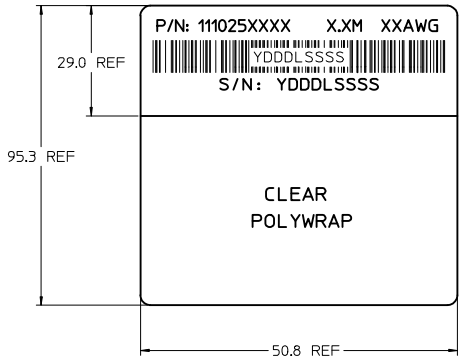
ANGULAR ±1/2°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: KWEBER DATE: 2008/05/20
CHECKED BY: DDOYE DATE: 2008/05/20
APPROVED BY: DDOYE DATE: 2010/10/26
MATERIAL NO.: SEE P/N TABLE
SIZE: D

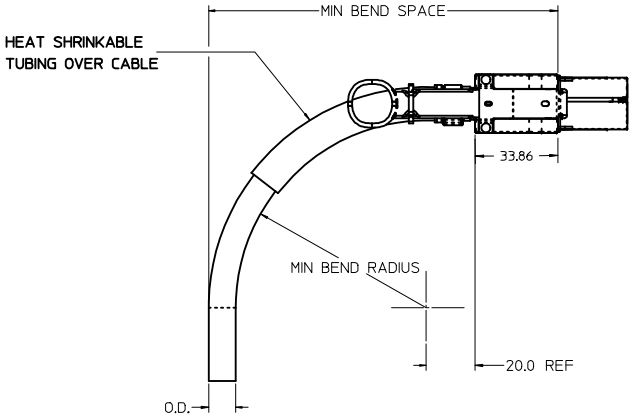
TITLE: 84CKT PASSIVE CABLE ASSEMBLY QDR INFINIBAND
molex
DOCUMENT NO.: SD-111025-120
SHEET NO.: 2 OF 3

# CABLE LABEL




P/N: SEE P/N TABLE
X.XM: CABLE LENGTH (AS SHOWN FROM P/N TABLE)
XXAWG: CABLE GAUGE (SEE P/N TABLE)

S/N: YDDDLSSSS
Y = YEAR, LAST DIGIT OF YEAR
DDD = DAY OF THE YEAR
L = LOCATION CODE
(1=USA, 2=MEXICO, 3=CHINA)
SSSS = SERIAL NUMBER (0001-9999)




| CABLE AWG | O.D. | MINIMUM BEND RADIUS (mm) | MINIMUM BEND SPACE (mm) |
|---|---|---|---|
| 30 | 9.78 | 69 | 133 |
| 28 | 11.05 | 79 | 143 |
| 26 | 13.21 | 96 | 160 |

SEE REVISION TABLE
EC NO: CPG2015-0399 2013/09/18
DRWN:EMEDINA 2014/07/15
CHKD:RAGYEI 2014/08/04
APPR:ARAYBURN
DESCRIPTION
REV K

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.13 | ± --- |
| 1 PLACE | ± 0.25 | ± --- |
| 0 PLACE | ± --- | ± --- |

ANGULAR ±1/2°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: KWEBER DATE: 2008/05/20
CHECKED BY: DDOYE DATE: 2008/05/20
APPROVED BY: DDOYE DATE: 2010/10/26
MATERIAL NO.: SEE P/N TABLE
SIZE: D

TITLE: 84CKT PASSIVE CABLE ASSEMBLY QDR INFINIBAND
molex
DOCUMENT NO.: SD-111025-120
SHEET NO.: 3 OF 3