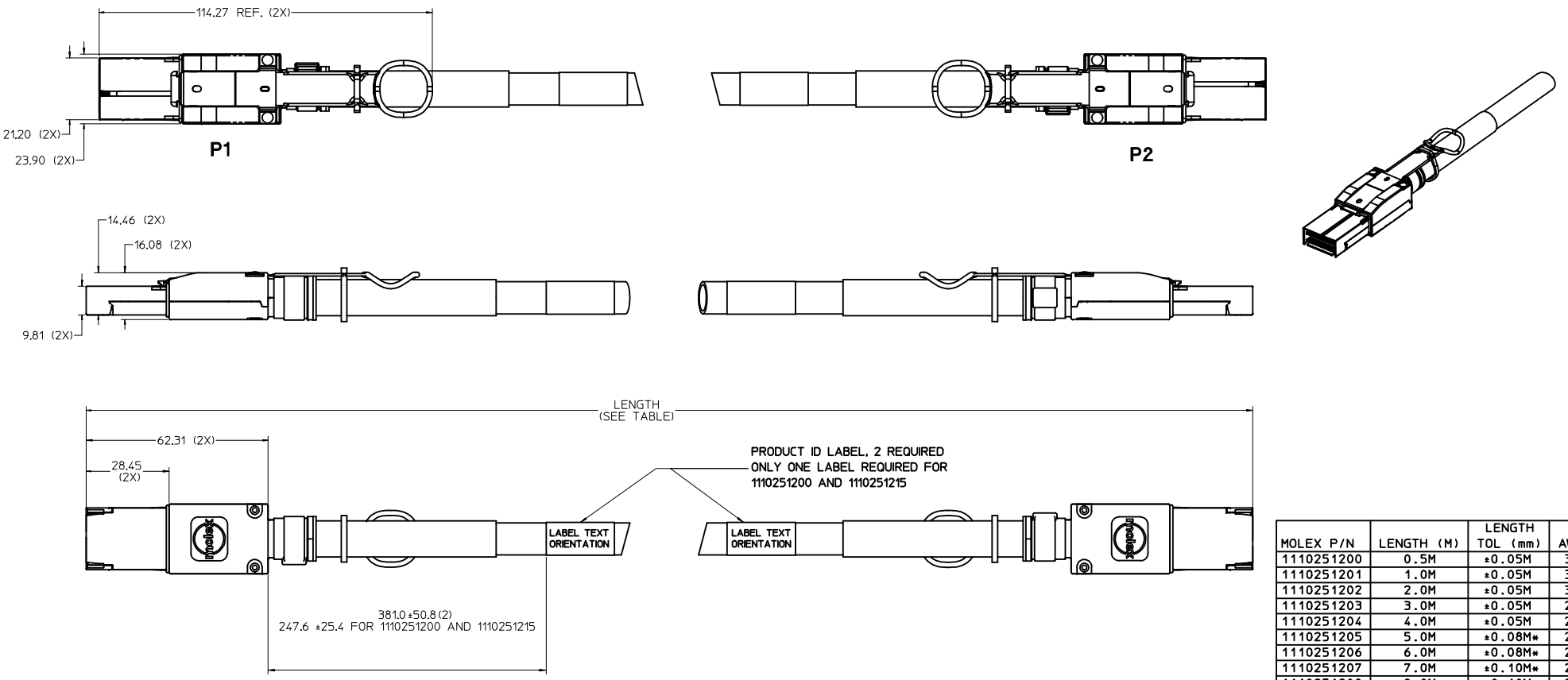


MOLEX P/N	LENGTH (M)	LENGTH TOL (mm)	AWG
1110251200	0.5M	±0.05M	30
1110251201	1.0M	±0.05M	30
1110251202	2.0M	±0.05M	30
1110251203	3.0M	±0.05M	28
1110251204	4.0M	±0.05M	26
1110251205	5.0M	±0.08M*	26
1110251206	6.0M	±0.08M*	26
1110251207	7.0M	±0.10M*	26
1110251208	8.0M	±0.10M*	26
1110251209	9.0M	±0.10M*	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

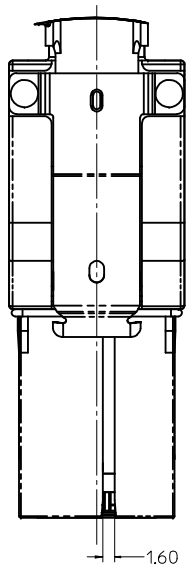
TITLE: 84CKT PASSIVE CABLE ASSEMBLY QDR INFINIBAND
molex
DOCUMENT NO.: SD-111025-120
SHEET NO.: 1 OF 3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

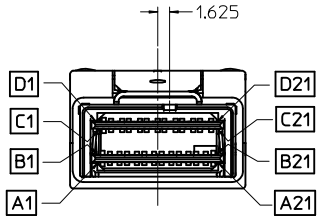
WIRING CHART

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

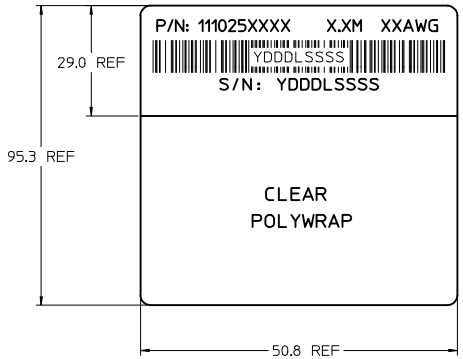
DIMENSION STYLE: MM ONLY
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

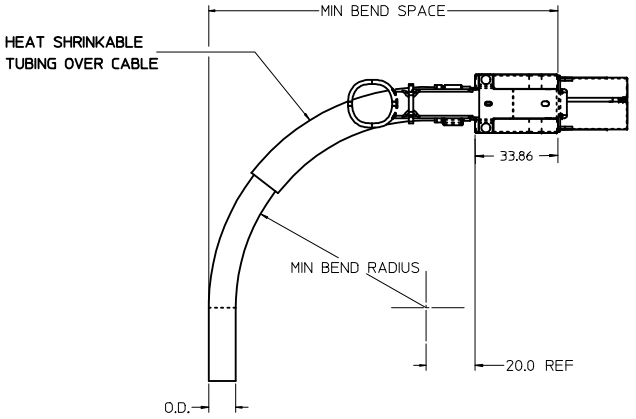
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CABLE LABEL



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

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