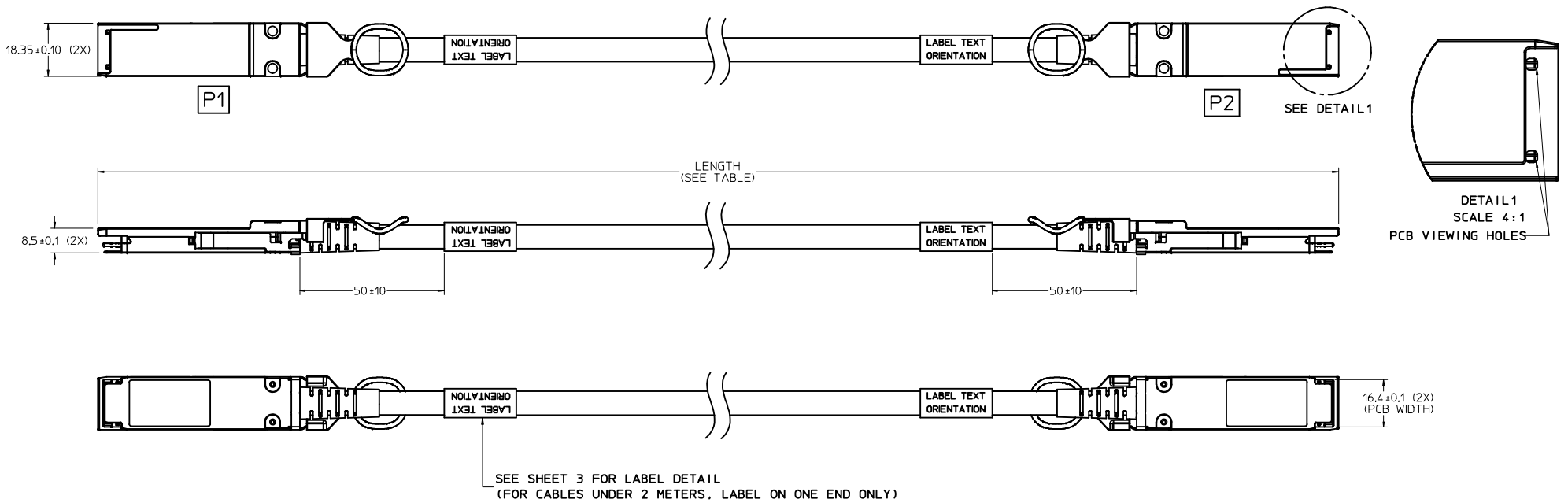
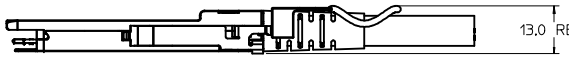
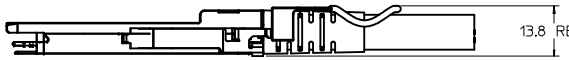






SEE SHEET 3 FOR P/N TABLE

NOTES:
1. CABLE DISTANCE DEPENDS ON WIRE GAUGE, DATA RATE, AND HOST BOARD DRIVER CAPABILITIES
2. MATERIALS:
   - BACKSHELLS - ZINC DIE CAST WITH BRIGHT NICKEL PLATING
   - DELATCH - STAINLESS STEEL WITH OVERMOLDED NYLON
   - PCB - FR4
   - RIVETS - STAINLESS STEEL
3. IMPEDANCE - 100 OHMS DIFFERENTIAL
4. RoHS COMPLIANT, WITH EXEMPTIONS

SEE REVISION TABLE
EC NO: CPG2015-0547 2014/07/24
DRWN:MEMEDINA 2014/07/28
CHKD:RAGTEJ 2014/08/07
APPR:ARAYBURN
DESCRIPTION
REV: L

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	±---°	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: BCHEN06_USY DATE: 2010/04/09
CHECKED BY: KLLOYD DATE: 2010/04/09
APPROVED BY: RMAHMOOD DATE: 2010/04/12
MATERIAL NO.: SEE P/N TABLE

TITLE: QSFP+ COPPER PATCH CABLE ASSEMBLY

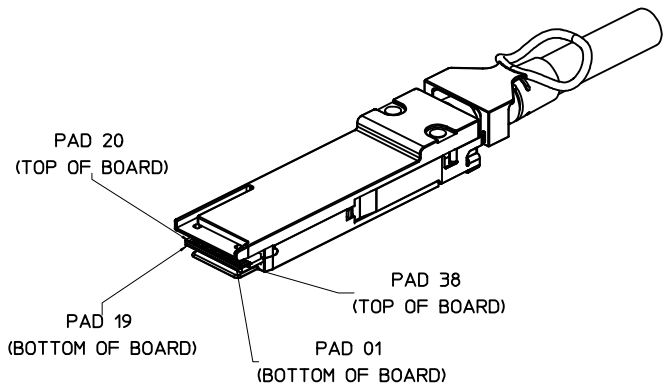
molex

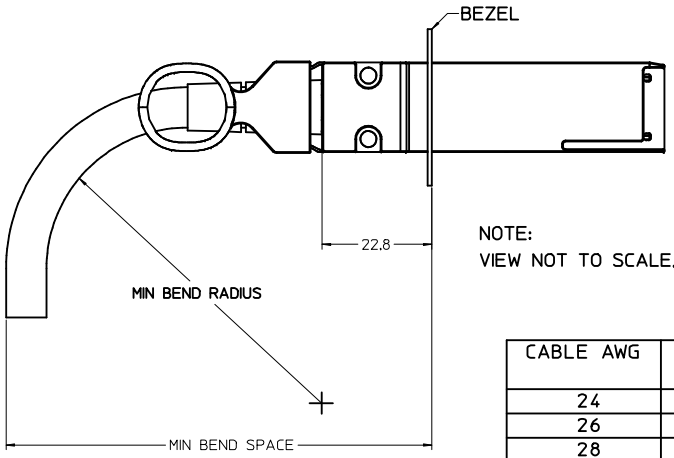
DOCUMENT NO.: SD-111040-0001
SHEET NO.: 1 OF 3

SIZE: D

WIRING DIAGRAM				
P1 END			P2 END	
PAD	SIGNAL		PAD	SIGNAL
01	GND (TX)	----	20	GND (RX)
02	TX2n	--->	21	RX2n
03	TX2p	--->	22	RX2p
04	GND (TX)	----	23	GND (RX)
05	TX4n	--->	24	RX4n
06	TX4p	--->	25	RX4p
07	GND (TX)	----	26	GND (RX)
08	ModSelL	■ ■	27	ModPrsL
09	ResetL	■ ■	28	IntL
10	VccRx	■ ■	29	VccTx
11	SCL	■ NC	30	Vcc1
12	SDA	■ ■	31	LPMode
13	GND (RX)	----	32	GND (TX)
14	RX3p	<---	33	TX3p
15	RX3n	<---	34	TX3n
16	GND (RX)	----	35	GND (TX)
17	RX1p	<---	36	TX1p
18	RX1n	<---	37	TX1n
19	GND (RX)	----	38	GND (TX)
20	GND (RX)	----	01	GND (TX)
21	RX2n	<---	02	TX2n
22	RX2p	<---	03	TX2p
23	GND (RX)	----	04	GND (TX)
24	RX4n	<---	05	TX4n
25	RX4p	<---	06	TX4p
26	GND (RX)	----	07	GND (TX)
27	ModPrsL	■ ■	08	ModSelL
28	IntL	■ ■	09	ResetL
29	VccTx	■ ■	10	VccRx
30	Vcc1	NC ■	11	SCL
31	LPMode	■ ■	12	SDA
32	GND (TX)	----	13	GND (RX)
33	TX3p	--->	14	RX3p
34	TX3n	--->	15	RX3n
35	GND (TX)	----	16	GND (RX)
36	TX1p	--->	17	RX1p
37	TX1n	--->	18	RX1n
38	GND (TX)	----	19	GND (RX)

LEGEND:
---- = THRU LINES
---> = TRANSMIT TO RECEIVE ON HIGH SPEED CIRCUITS
C = COMMON GROUND CONNECTION
NC = NOT CONNECTED
■ = CONNECTION TO A DEVICE ON THE PCB





NOTE:
VIEW NOT TO SCALE.

CABLE BEND RADIUS

CABLE AWG	MIN BEND RADIUS (mm)	MIN BEND SPACE (mm)
24	51	84
26	44	76
28	39	70
30	33	62

NOTES:
1. DC BLOCKING CAPS ON RECEIVE SIDE ONLY
2. CABLE COILED AND PACKAGED IN BEST FIT ESD BAG AND SEALED WITH ESD LABEL FOR SHIPPING

SEE REVISION TABLE
EC NO: CPG2015-0547 2014/07/24
DRWN:EMEDINA 2014/07/28
CHKD:RAGUTEI 2014/08/07
APPR:ARAYBURN
DESCRIPTION
REV: L

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 ±---°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

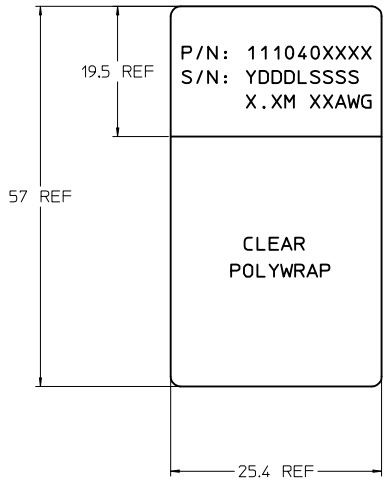
DRAWN BY: BCHEN06_USY DATE: 2010/04/09
CHECKED BY: KLLOYD DATE: 2010/04/09
APPROVED BY: RMAHMOOD DATE: 2010/04/12
MATERIAL NO.: SEE P/N TABLE

TITLE: QSFP+ COPPER PATCH CABLE ASSEMBLY
molex
DOCUMENT NO.: SD-111040-0001
SHEET NO.: 2 OF 3
SIZE: D

PART NUMBER TABLE

MOLEX P/N	LENGTH (M)	LENGTH TOLERANCE (mm)	AWG	CABLE MFG
1110401044	0.35	±30	30	MADISON 10
1110401054	0.5	±30	30	MADISON 10
1110401104	1.0	±50	30	MADISON 10
1110401204	2.0	±50	30	MADISON 10
1110401304	3.0	±50	30	MADISON 10
1110401324	3.2	±50	30	MADISON 10
1110401404	4.0	±50	30	MADISON 10
1110401504	5.0	±80	30	MADISON 10
1110401704	7.0	±80	30	MADISON 10
1110402054	0.5	±30	28	MADISON 10
1110402104	1.0	±50	28	MADISON 10
1110402204	2.0	±50	28	MADISON 10
1110402304	3.0	±50	28	MADISON 10
1110402404	4.0	±50	28	MADISON 10
1110402504	5.0	±80	28	MADISON 10
1110402604	6.0	±80	28	MADISON 10
1110402704	7.0	±80	28	MADISON 10
1110403054	0.5	±50	26	MADISON 10
1110403104	1.0	±50	26	MADISON 10
1110403204	2.0	±50	26	MADISON 10
1110403205	2.0	±50	26	BELDEN
1110403304	3.0	±50	26	MADISON 10
1110403404	4.0	±50	26	MADISON 10
1110403504	5.0	±80	26	MADISON 10
1110403505	5.0	±80	26	BELDEN
1110403604	6.0	±80	26	MADISON 10
1110403704	7.0	±80	26	MADISON 10
1110404054	0.5	±50	24	MADISON 10
1110404104	1.0	±50	24	MADISON 10
1110404204	2.0	±50	24	MADISON 10
1110404304	3.0	±50	24	MADISON 10
1110404404	4.0	±50	24	MADISON 10
1110404504	5.0	±80	24	MADISON 10
1110404604	6.0	±80	24	MADISON 10
1110404704	7.0	±80	24	MADISON 10
1110404804	8.0	±80	24	MADISON 10
1110409010	10.0	±80	30	MADISON 10
1110409011	10.0	±80	28	MADISON 10
1110409012	10.0	±80	26	MADISON 10
1110409013	10.0	±08	24	MADISON 10
1110409018	15.0	±80	24	MADISON 10

CABLE LABEL DETAIL



YDDDLSSSS
Y = YEAR, THE LAST DIGIT OF THE YEAR
DDD = DAY OF THE YEAR
L = LOCATION (1=US, 2=MEXICO, 3=CHINA)
SSSS = SERIAL NUMBER (0001-9999)

X.XM = LENGTH AS SHOWN IN P/N TABLE

XXAWG = AWG SIZE

SEE REVISION TABLE
EC NO: CPG2015-0547 2014/07/24
DRWN:EMEDINA 2014/07/28
CHKD:RAGYEI 2014/08/07
APPR:ARAYBURN
DESCRIPTION
REV

QUALITY SYMBOLS
=0
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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0 PLACE	±	±

ANGULAR ±---°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

		DATE
DRAWN BY	BCHEN06_USY	2010/04/09
CHECKED BY	KLLOYD	2010/04/09
APPROVED BY	RMAHMOOD	2010/04/12

MATERIAL NO.: SEE P/N TABLE
SIZE: D

TITLE: QSFP+ COPPER PATCH CABLE ASSEMBLY
molex
DOCUMENT NO.: SD-111040-0001
SHEET NO.: 3 OF 3