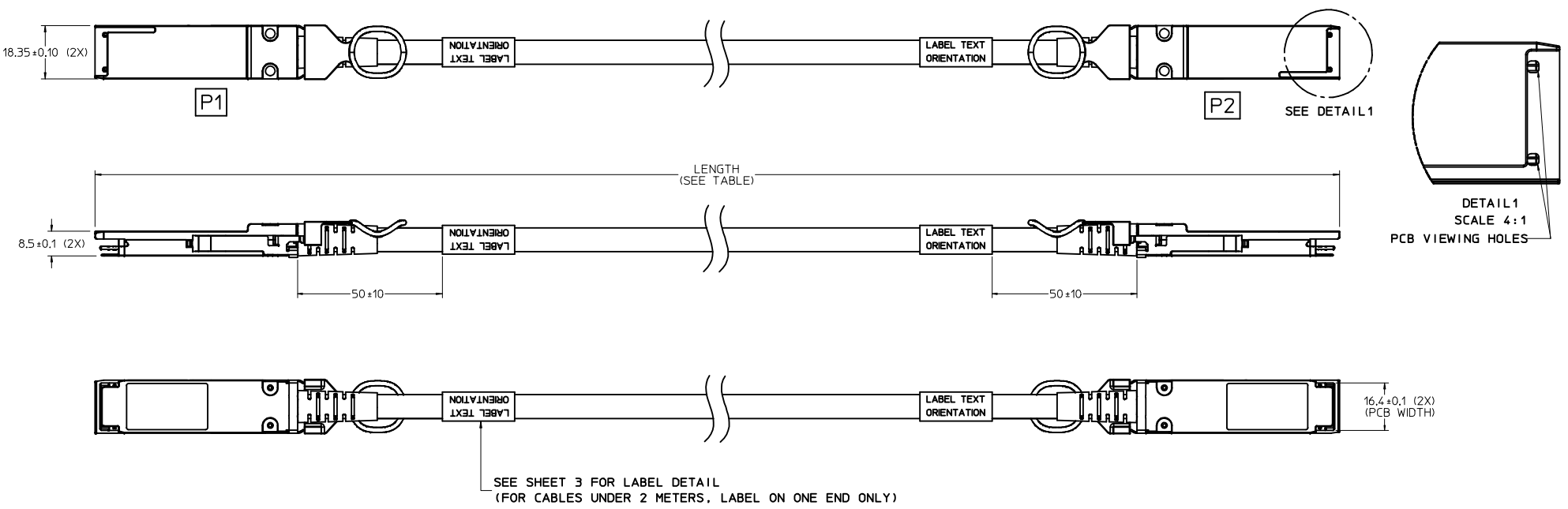
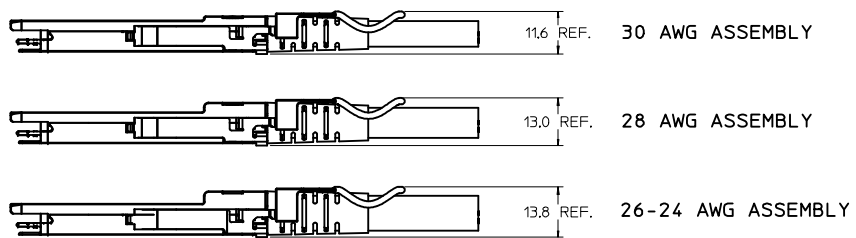


20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



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

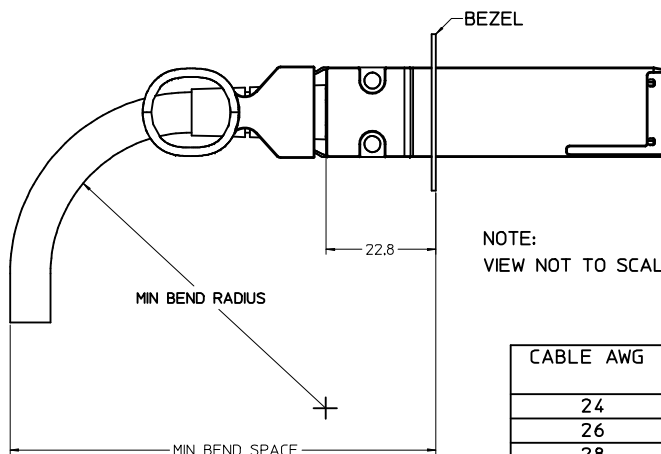
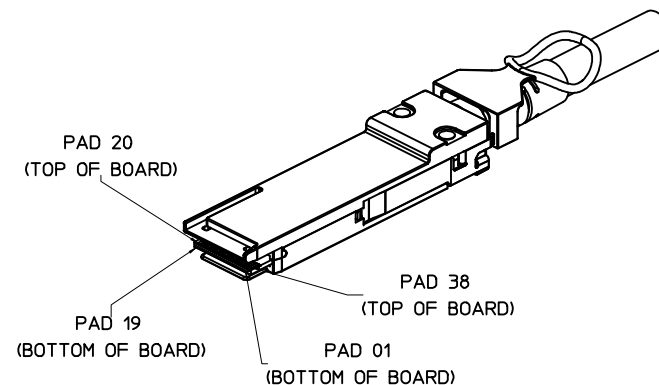
SEE REVISION TABLE EC NO.: CPG2015-0547 DRAWN BY: CHYKORADY CHECKED BY: CHYKORADY APPROVED BY: CHYKORADY REV: 1	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE QSFP+ COPPER PATCH CABLE ASSEMBLY molex DOCUMENT NO. SD-111040-0001 SHEET NO. 1 OF 3
				mm	INCH	DRAWN BY	DATE			
			4 PLACES	±---	±---	BCHEN06_USY	2010/04/09			
			3 PLACES	±---	±---	CHECKED BY	DATE			
			2 PLACES	±0.13	±---	KLOYD	2010/04/09			
			1 PLACE	±0.25	±---	APPROVED BY	DATE			
			0 PLACE	±	±	RMAHMOOD	2010/04/12			
			ANGULAR ±---°		MATERIAL NO.					
			DRAWING WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE P/N TABLE					
			SIZE	D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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:

- DC BLOCKING CAPS ON RECEIVE SIDE ONLY
- CABLE COILED AND PACKAGED IN BEST FIT ESD BAG AND SEALED WITH ESD LABEL FOR SHIPPING

SEE REVISION TABLE		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: CPG2015-0547	2014/07/24	▽=0	▽=0	4 PLACES ±---	mm	MM ONLY	DATE	1:1	METRIC	DATE	TITLE	DATE	DATE
DRWNGEN: MA	2014/07/28	▽=0	▽=0	3 PLACES ±0.13	mm	BCHEN06_USY	2010/04/09			2010/04/09	OSFP+ COPPER PATCH CABLE ASSEMBLY	2010/04/09	2010/04/09
CHKD: RGT	2014/08/07	▽=0	▽=0	2 PLACES ±0.25	mm	KLOYD	2010/04/09			2010/04/09			
APPR: ARABIAN	2014/08/07			1 PLACE ±---	mm	APPROVED BY	DATE						
				0 PLACE ±---	mm	RAHMOOD	2010/04/12						
				ANGULAR ±---	mm	MATERIAL NO.	DATE						
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE P/N TABLE	DATE						
						SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

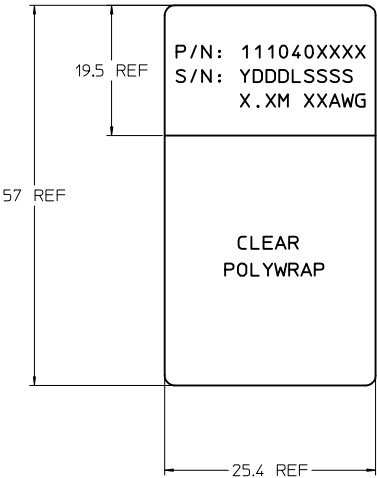
moLEX

DOCUMENT NO. SD-111040-0001 SHEET NO. 2 OF 3

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 DRAWN BY: CHYORAGEL CHECKED BY: APPRAJATURN DATE: 2014/07/28 DATE: 2014/08/07	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 DRAWN BY: DATE CHECKED BY: DATE APPROVED BY: DATE RMAHMOOD 2010/04/12	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE QSFP+ COPPER PATCH CABLE ASSEMBLY molex DOCUMENT NO. SD-111040-0001	SHEET NO. 3 OF 3