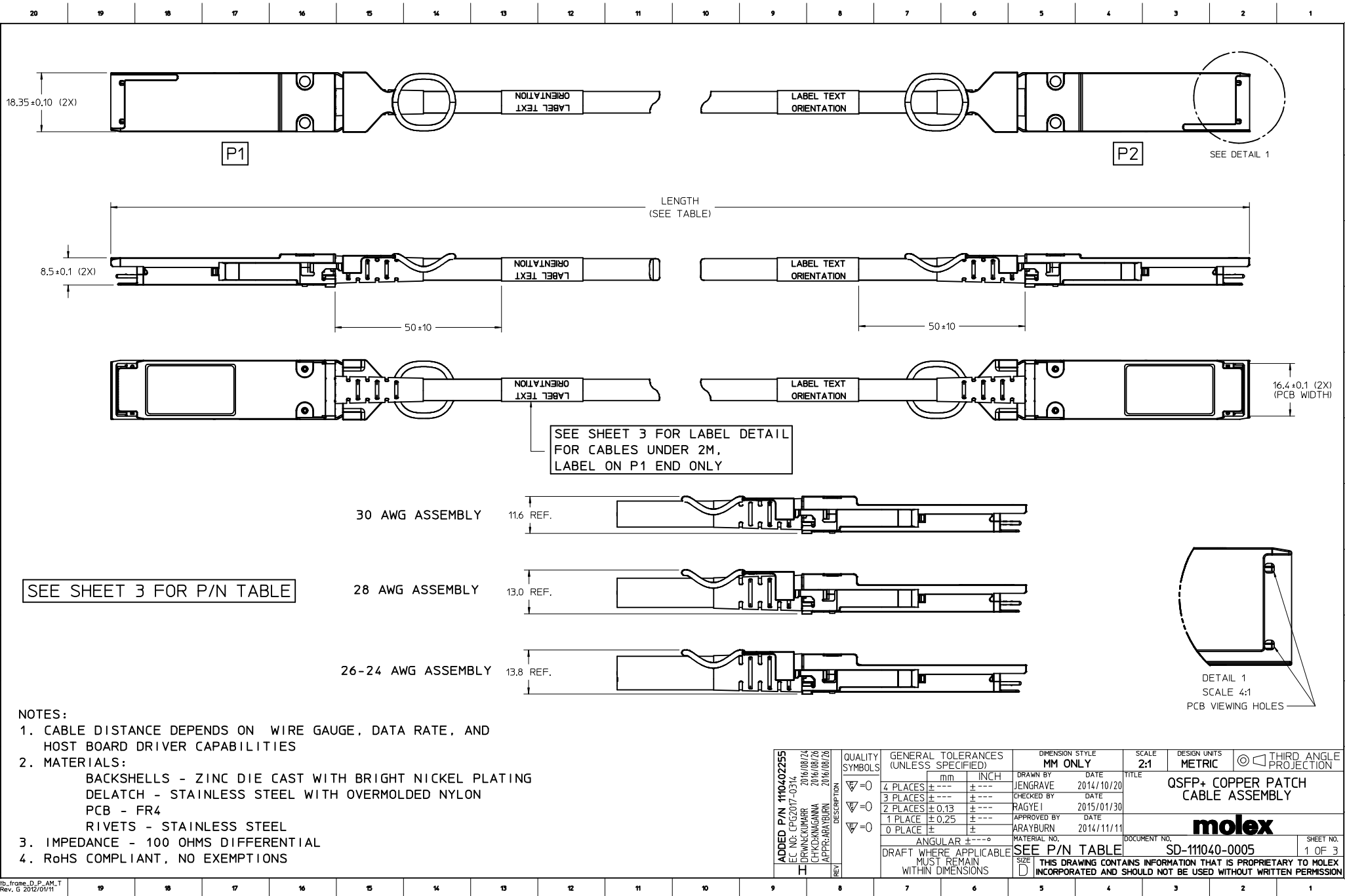
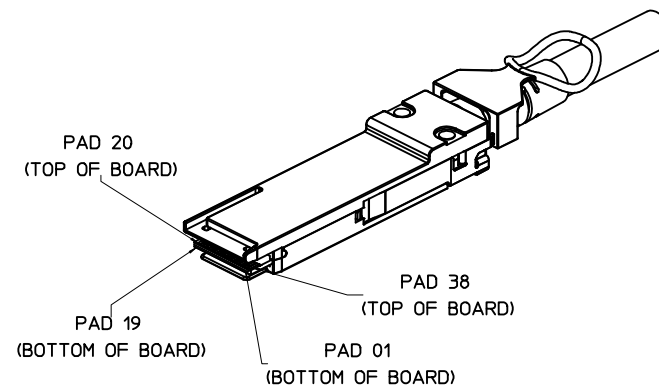
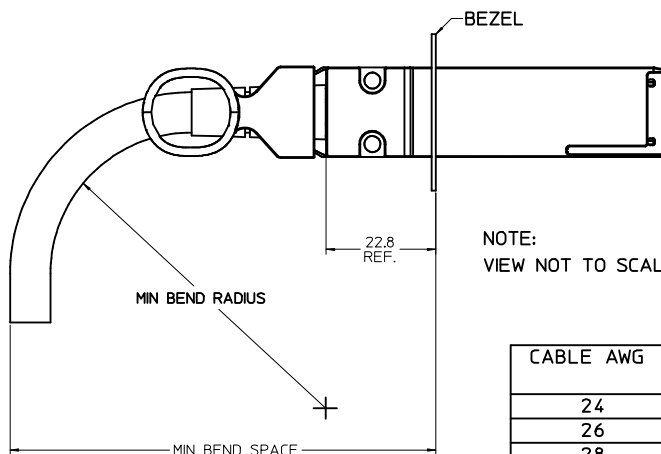




WIRING DIAGRAM											
P1 END						P2 END					
PAD	SIGNAL					PAD	SIGNAL				
01	GND (TX)	----				20	GND (RX)				
02	TX2n	---->				21	RX2n				
03	TX2p	---->				22	RX2p				
04	GND (TX)	----				23	GND (RX)				
05	TX4n	---->				24	RX4n				
06	TX4p	---->				25	RX4p				
07	GND (TX)	----				26	GND (RX)				
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	50	83
26	44	76
28	39	69
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

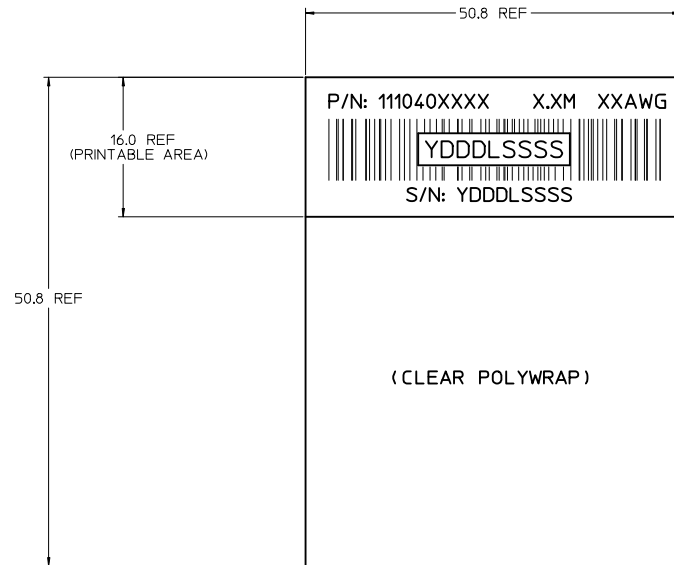
ADDED P/N 110402255 EC NO: CPG2017-0314 DRAWN BY: CHYOKUNAGANNA CHECKED BY: APPR: ARAYBURN DATE: 2016/08/26 DATE: 2016/08/26	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
					DRAWN BY DATE		TITLE		
					JENGRABE 2014/10/20		QSFP+ COPPER PATCH CABLE ASSEMBLY		
					CHECKED BY DATE				
					RAGYEI 2015/01/30				
					APPROVED BY DATE				
					ARAYBURN 2014/11/11				
			ANGULAR ±---°		MATERIAL NO.		DOCUMENT NO.		
			DRAFT WHERE APPLICABLE		SEE P/N TABLE		SD-111040-0005		SHEET NO.
			MUST REMAIN WITHIN DIMENSIONS		SIZE				2 OF 3
					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

SHEET NO.
2 OF 3

PART NUMBER TABLE

MOLEX P/N	LENGTH (M)	LENGTH TOLERANCE (mm)	AWG
1110401045	0.35	±30	30
1110401055	0.5	±30	30
1110401075	0.75	±30	30
1110401105	1.0	±50	30
1110401155	1.5	±50	30
1110401205	2.0	±50	30
1110401255	2.5	±50	30
1110401305	3.0	±50	30
1110401325	3.2	±50	30
1110401405	4.0	±50	30
1110401505	5.0	±80	30
1110401705	7.0	±80	30
1110402055	0.5	±30	28
1110402105	1.0	±50	28
1110402205	2.0	±50	28
1110402255	2.5	±50	28
1110402305	3.0	±50	28
1110401358	3.5	±50	28
1110402405	4.0	±50	28
1110402505	5.0	±80	28
1110402605	6.0	±80	28
1110402705	7.0	±80	28
1110403055	0.5	±30	26
1110403105	1.0	±50	26
1110403205	2.0	±50	26
1110403305	3.0	±50	26
1110403405	4.0	±50	26
1110403505	5.0	±80	26
1110403605	6.0	±80	26
1110403705	7.0	±80	26
1110404055	0.5	±30	24
1110404105	1.0	±50	24
1110404205	2.0	±50	24
1110404305	3.0	±50	24
1110404405	4.0	±50	24
1110404505	5.0	±80	24
1110404605	6.0	±80	24
1110404705	7.0	±80	24

LABEL DETAIL



P/N: SEE TABLE

S/N: Y = YEAR, LAST DIGIT OF YEAR

DDD = DAY OF THE YEAR (ISO-8601 FORMAT)

L = LOCATION - 1 = USA

2 = MEXICO

3 = CHINA

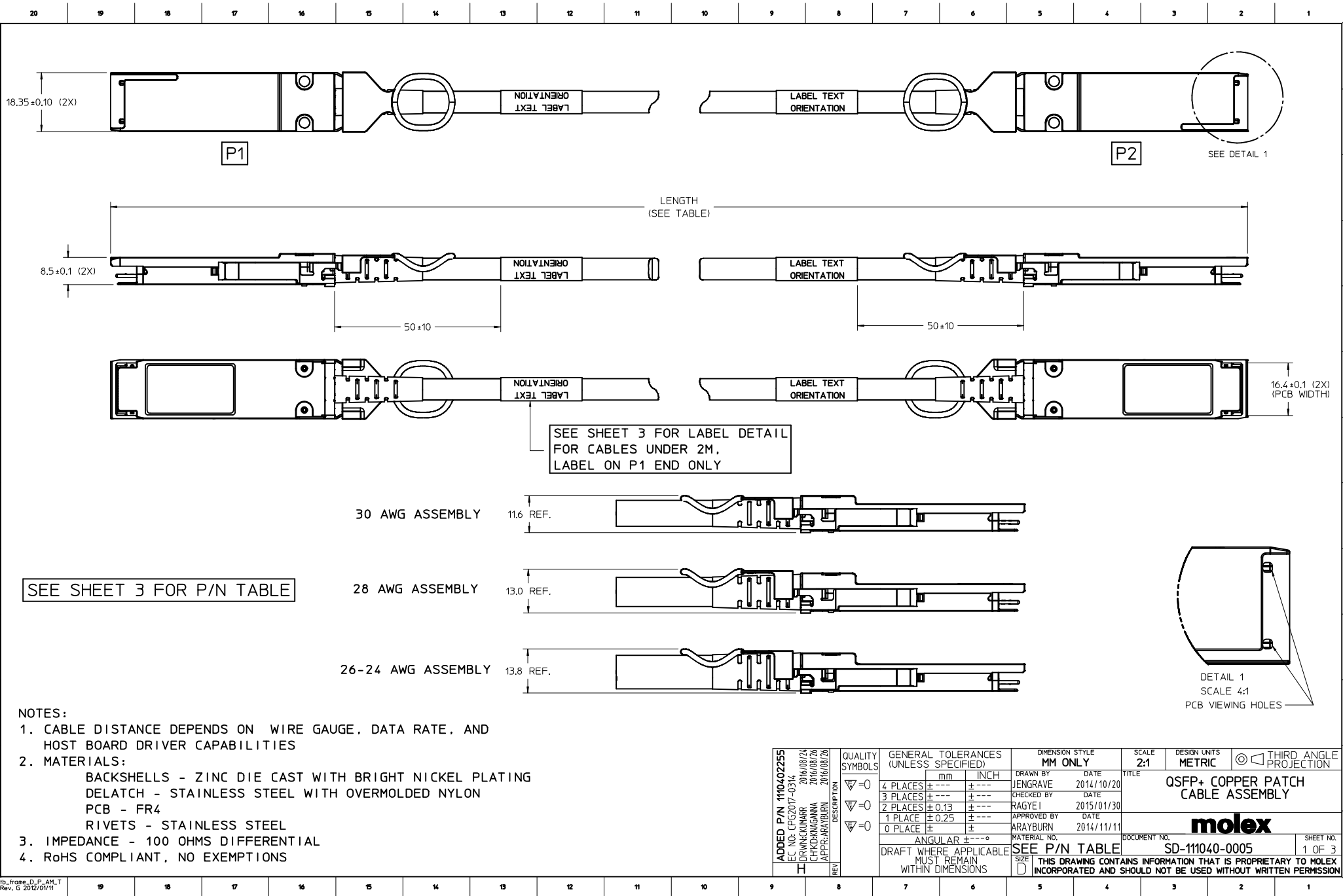
4 = PHILIPPINES

SSSS = SERIAL NUMBER (0001-9999)

X.XM: CABLE LENGTH, AS SHOWN ON P/N TABLE

XXAWG: WIRE GAGE, SEE TABLE

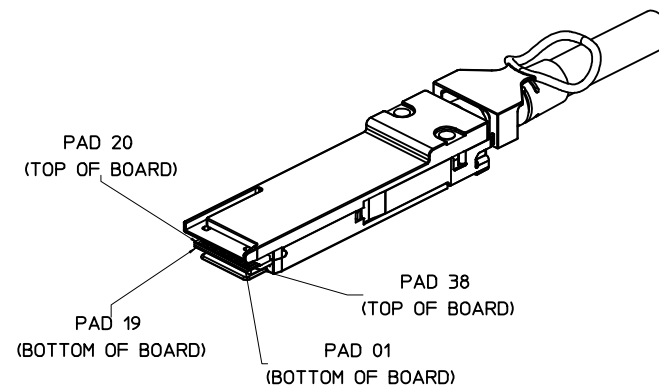
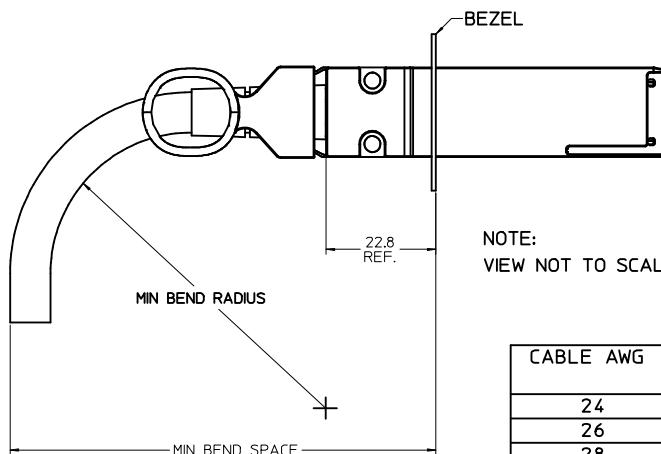
ADDED P/N 1110402255 EC NO: CPG2017-0314 DRAWN BY: JENGRIVE 2016/08/24 CHECKED BY: RAGYE I 2015/01/30 APPROVED BY: ARAYBURN 2016/08/26 REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE QSFP+ COPPER PATCH CABLE ASSEMBLY molex	DOCUMENT NO. SD-111040-0005	SHEET NO. 3 OF 3		
					MM ONLY									
			mm		INCH								DRAWN BY DATE	
			4 PLACES ±---		±---								JENGRIVE 2014/10/20	
			3 PLACES ±---		±---								CHECKED BY DATE	
			2 PLACES ±0.13		±---								RAGYE I 2015/01/30	
			1 PLACE ±0.25		±---								APPROVED BY DATE	
			0 PLACE ±		±								ARAYBURN 2014/11/11	
			ANGULAR ±---		---								MATERIAL P.N.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE P/N TABLE								SIZE	
													THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	



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



CABLE BEND RADIUS

CABLE AWG	MIN BEND RADIUS (mm)	MIN BEND SPACE (mm)
24	50	83
26	44	76
28	39	69
30	33	62

NOTES:

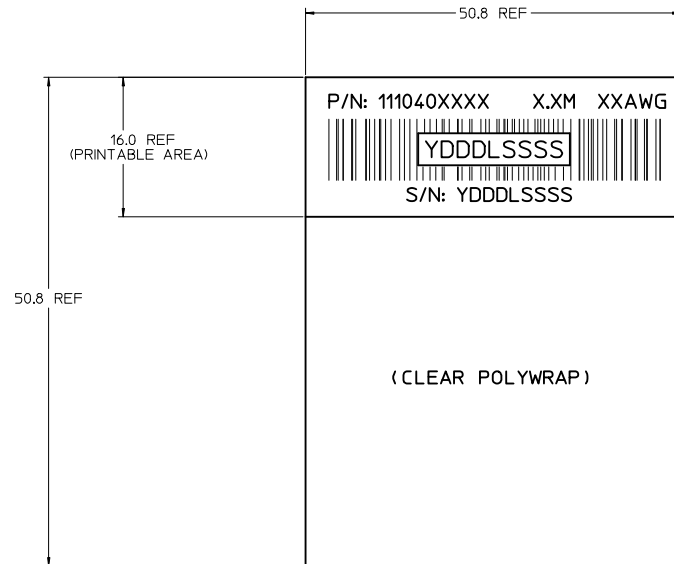
- DC BLOCKING CAPS ON RECEIVE SIDE ONLY
- CABLE COILED AND PACKAGED IN BEST FIT ESD BAG AND SEALED WITH ESD LABEL FOR SHIPPING

ADDED P/N 110402255 EC NO: CPG2017-0314 DRAWN BY: DRWNCKUMARR CHECKED BY: CHYOKNAGANNA APPROVED BY: APPR-ARAYBURN DATE: 2016/08/24 DATE: 2016/08/26 DATE: 2016/08/26	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 ± ±	DIMENSION STYLE MM ONLY DATE: 2014/10/20 DATE: 2015/01/30 DATE: 2014/11/11	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE QSFP+ COPPER PATCH CABLE ASSEMBLY molex SEE P/N TABLE SD-111040-0005	MATERIAL NO. DOCUMENT NO. SHEET NO. 2 OF 3

PART NUMBER TABLE

MOLEX P/N	LENGTH (M)	LENGTH TOLERANCE (mm)	AWG
1110401045	0.35	±30	30
1110401055	0.5	±30	30
1110401075	0.75	±30	30
1110401105	1.0	±50	30
1110401155	1.5	±50	30
1110401205	2.0	±50	30
1110401255	2.5	±50	30
1110401305	3.0	±50	30
1110401325	3.2	±50	30
1110401405	4.0	±50	30
1110401505	5.0	±80	30
1110401705	7.0	±80	30
1110402055	0.5	±30	28
1110402105	1.0	±50	28
1110402205	2.0	±50	28
1110402255	2.5	±50	28
1110402305	3.0	±50	28
1110401358	3.5	±50	28
1110402405	4.0	±50	28
1110402505	5.0	±80	28
1110402605	6.0	±80	28
1110402705	7.0	±80	28
1110403055	0.5	±30	26
1110403105	1.0	±50	26
1110403205	2.0	±50	26
1110403305	3.0	±50	26
1110403405	4.0	±50	26
1110403505	5.0	±80	26
1110403605	6.0	±80	26
1110403705	7.0	±80	26
1110404055	0.5	±30	24
1110404105	1.0	±50	24
1110404205	2.0	±50	24
1110404305	3.0	±50	24
1110404405	4.0	±50	24
1110404505	5.0	±80	24
1110404605	6.0	±80	24
1110404705	7.0	±80	24

LABEL DETAIL



P/N: SEE TABLE
S/N: Y = YEAR, LAST DIGIT OF YEAR
DDD = DAY OF THE YEAR (ISO-8601 FORMAT)
L = LOCATION - 1 = USA
2 = MEXICO
3 = CHINA
4 = PHILIPPINES
SSSS = SERIAL NUMBER (0001-9999)
X.XM: CABLE LENGTH, AS SHOWN ON P/N TABLE
XXAWG: WIRE GAGE, SEE TABLE

ADDED P/N 1110402255 EC NO: CPG2017-0314 DRAWN BY: JENGRIVE CHECKED BY: RAGYE I APPROVED BY: ARAYBURN DATE: 2016/08/26 DESCRIPTION: QSF+ COPPER PATCH CABLE ASSEMBLY	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	▽=0	mm INCH	DRAWN BY JENGRIVE	DATE 2014/10/20	TITLE QSF+ COPPER PATCH CABLE ASSEMBLY				
	▽=0	3 PLACES ±--- ±---	CHECKED BY RAGYE I	DATE 2015/01/30					
	▽=0	2 PLACES ±.13 ±.05 1 PLACE ±.25 ±.10 0 PLACE ± ±	APPROVED BY ARAYBURN	DATE 2014/11/11	molex DOCUMENT NO. SD-111040-0005 SHEET NO. 3 OF 3				
ANGULAR ±---°		MATERIAL NO.	DATE						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE P/N TABLE					
SIZE				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					