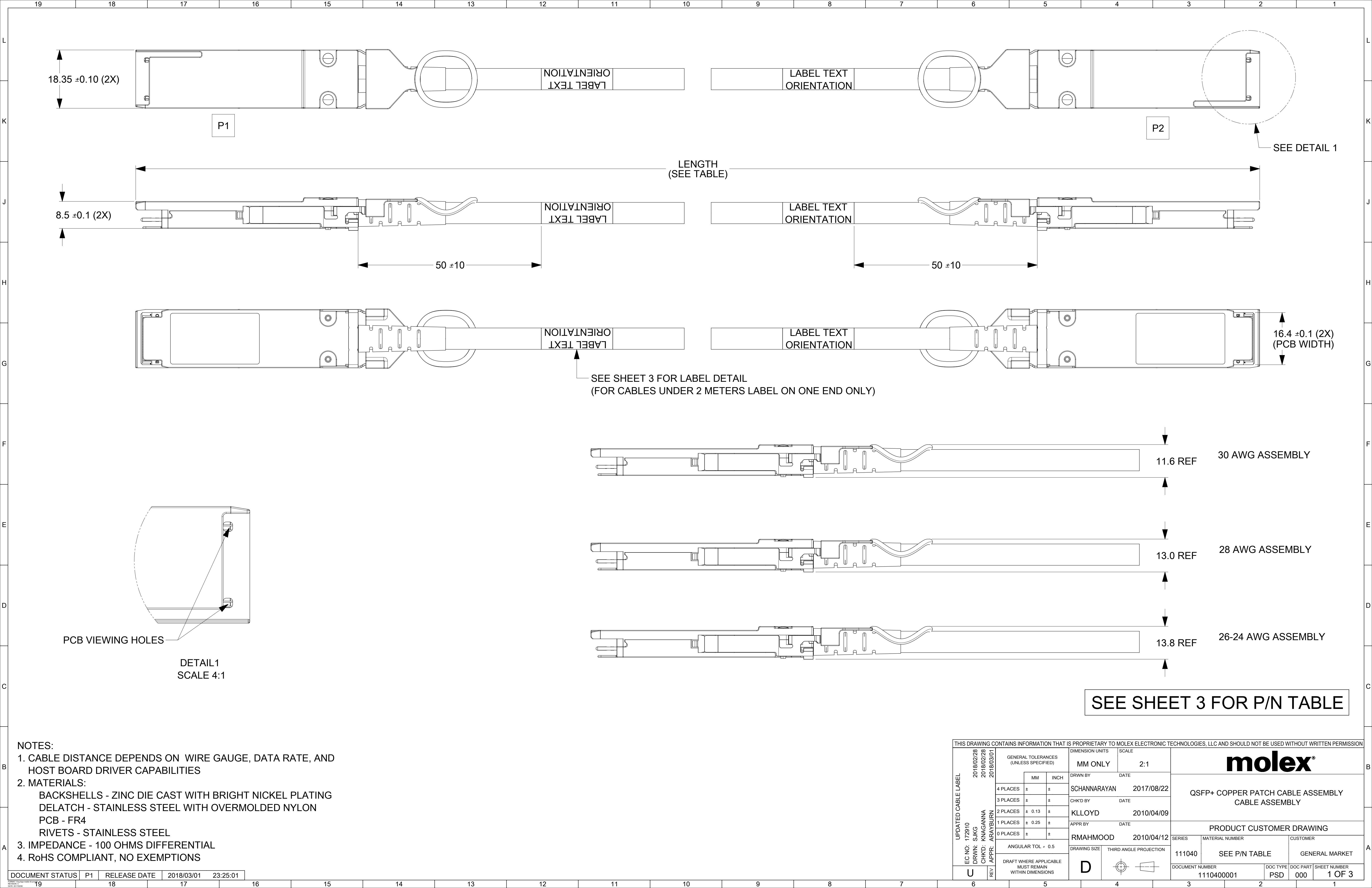


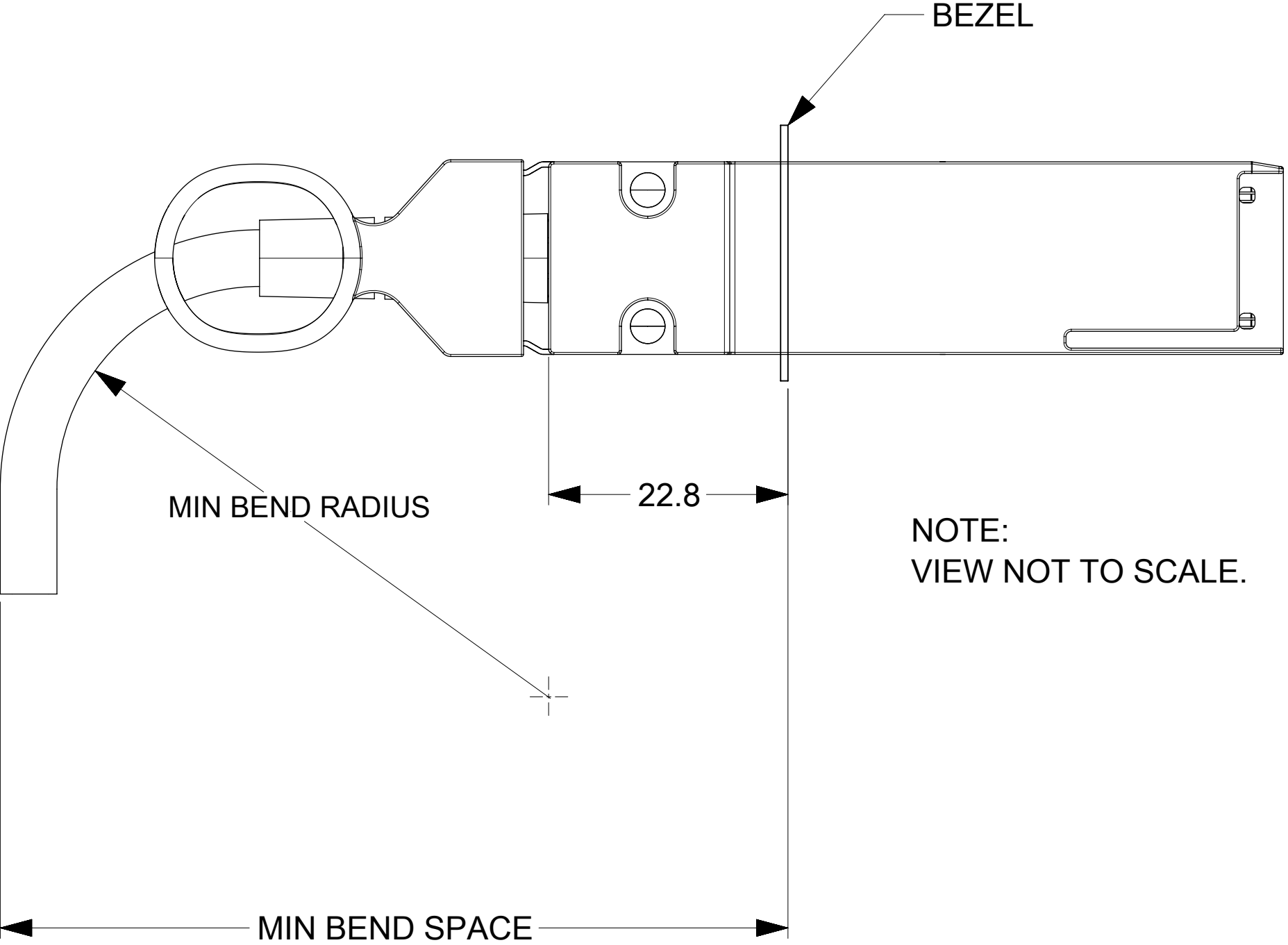


- NOTES:
- CABLE DISTANCE DEPENDS ON WIRE GAUGE, DATA RATE, AND HOST BOARD DRIVER CAPABILITIES
 - MATERIALS:
 - BACKSHELLS - ZINC DIE CAST WITH BRIGHT NICKEL PLATING
 - DELATCH - STAINLESS STEEL WITH OVERMOLDED NYLON
 - PCB - FR4
 - RIVETS - STAINLESS STEEL
 - IMPEDANCE - 100 OHMS DIFFERENTIAL
 - RoHS COMPLIANT, NO EXEMPTIONS

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UPDATED CABLE LABEL EC NO. 172910 DRWN: SJKG CHKD: KNAGANNA REV/ APPR: ARAYBURN	2018/02/28 2018/02/28 2018/03/01	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex[®] QSFP+ COPPER PATCH CABLE ASSEMBLY CABLE ASSEMBLY							
				MM ONLY		2:1									
				DRWN BY		DATE									
				SCHANNARAYAN		2017/08/22									
				CHK'D BY		DATE									
				KLLOYD		2010/04/09									
				2 PLACES ± 0.13		APPR BY		DATE		PRODUCT CUSTOMER DRAWING					
				1 PLACES ± 0.25											
				0 PLACES ± ±		RMAHMOOD		2010/04/12							
				ANGULAR TOL ± 0.5		DRAWING SIZE		THIRD ANGLE PROJECTION							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		D											
								SERIES		MATERIAL NUMBER		CUSTOMER			
								111040		SEE P/N TABLE		GENERAL MARKET			
								DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
								1110400001		PSD		000		1 OF 3	

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.

PAD 20
(TOP OF BOARD)

PAD 19
(BOTTOM OF BOARD)

PAD 38
(TOP OF BOARD)

PAD 01
(BOTTOM OF BOARD)

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

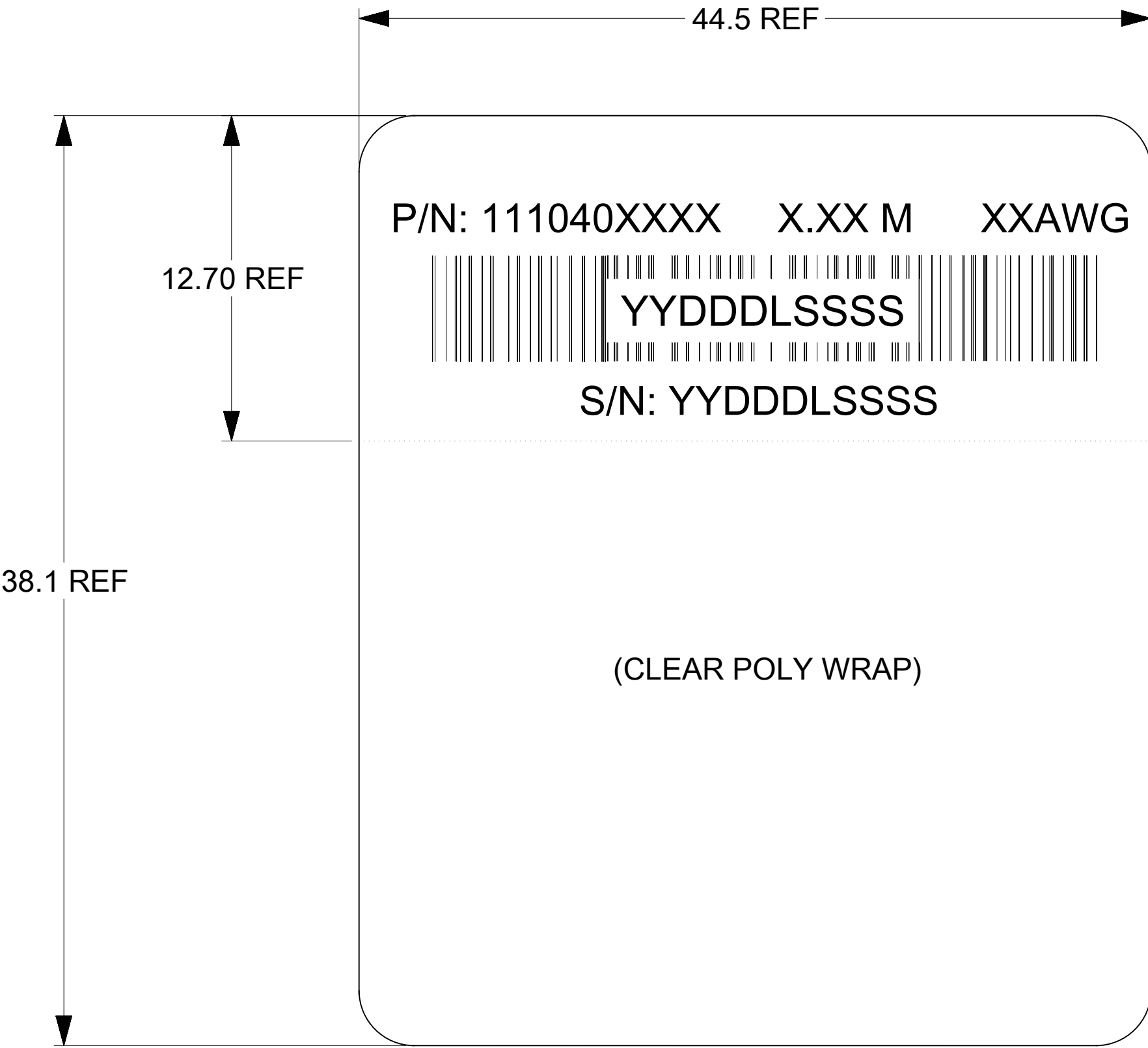
- NOTES:
1. DC BLOCKING CAPS ON RECEIVE SIDE ONLY
2. CABLE COILED AND PACKAGED IN BEST FIT ESD BAG AND SEALED WITH ESD LABEL FOR SHIPPING

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UPDATED CABLE LABEL EC NO. 172910 DRWN. SLKG CHKD. KNAGANNA REV/ APPR. ARAYBURN		2018/02/28 2018/02/28 2018/03/01		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® QSFP+ COPPER PATCH CABLE ASSEMBLY CABLE ASSEMBLY							
						MM ONLY		2:1									
						DRWN BY		DATE									
		4 PLACES		±	±	SCHANNARAYAN		2017/08/22		PRODUCT CUSTOMER DRAWING							
		3 PLACES		±	±	CHK'D BY		DATE									
		2 PLACES		±	0.13	KLLOYD		2010/04/09									
		1 PLACES		±	0.25	APPR BY		DATE									
		0 PLACES		±	±	RMAHMOOD		2010/04/12									
				ANGULAR TOL ± 0.5		DRAWING SIZE		THIRD ANGLE PROJECTION							SERIES		MATERIAL NUMBER
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		D				111040		SEE P/N TABLE		GENERAL MARKET			
U								DOCUMENT NUMBER		1110400001		DOC TYPE PSD		DOC PART 000		SHEET NUMBER 2 OF 3	

PART NUMBER TABLE

MOLEX PN	LENGTH (M)	LENGTH TOLERANCE (mm)	AWG
1110401044	0.35	±30	30
1110401054	0.5	±30	30
1110401074	0.75	±30	30
1110401104	1.0	±50	30
1110401154	1.5	±50	30
1110401204	2.0	±50	30
1110401254	2.5	±50	30
1110401304	3.0	±50	30
1110401324	3.2	±50	30
1110401404	4.0	±50	30
1110401504	5.0	±80	30
1110401704	7.0	±80	30
1110402054	0.5	±30	28
1110402104	1.0	±50	28
1110402204	2.0	±50	28
1110402304	3.0	±50	28
1110402404	4.0	±50	28
1110402504	5.0	±80	28
1110402604	6.0	±80	28
1110402704	7.0	±80	28
1110403054	0.5	±50	26
1110403104	1.0	±50	26
1110403204	2.0	±50	26
1110403304	3.0	±50	26
1110403404	4.0	±50	26
1110403504	5.0	±80	26
1110403604	6.0	±80	26
1110403704	7.0	±80	26
1110404054	0.5	±50	24
1110404104	1.0	±50	24
1110404204	2.0	±50	24
1110404304	3.0	±50	24
1110404404	4.0	±50	24
1110404504	5.0	±80	24
1110404604	6.0	±80	24
1110404704	7.0	±80	24
1110404804	8.0	±80	24
1110409010	10.0	±80	30
1110409011	10.0	±80	28
1110409012	10.0	±80	26
1110409013	10.0	±80	24
1110409018	15.0	±80	24

CABLE LABEL DETAILS



P/N: 111040XXXX - MOLEX PART NUMBER (SEE P/N TABLE)

X.XX M - CABLE LENGTH IN METERS (EXAMPLES - 0.5M, 1.0M, 1.5M)

XXAWG - CABLE SIZE IN AWG

S/N: YYDDDLSSSS - SERIAL NUMBER
YY = YEAR, THE LAST TWO DIGITS OF THE YEAR
DDD = DAY OF THE YEAR
L = LOCATION
1 - USA
2 - MEXICO
3 - CHINA
4 - PHILIPPINES
SSSS = SERIAL NUMBER (0001-9999)

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UPDATED CABLE LABEL EC NO. 172910 DRWN: SJKG CHKD: KNAGANNA REV/ APPR: ARAYBURN	2018/02/28 2018/02/28 2018/03/01	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex[®]									
					MM ONLY		2:1											
			MM	INCH	DRWN BY		DATE		QSFP+ COPPER PATCH CABLE ASSEMBLY CABLE ASSEMBLY									
		4 PLACES	±	±	SCHANNARAYAN		2017/08/22											
		3 PLACES	±	±	CHK'D BY		DATE											
		2 PLACES	±	0.13	KLLOYD		2010/04/09											
		1 PLACES	±	0.25	APPR BY		DATE											
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		ANGULAR TOL ± 0.5			DRAWING SIZE		THIRD ANGLE PROJECTION		PRODUCT CUSTOMER DRAWING									
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			D				SERIES	MATERIAL NUMBER		CUSTOMER						
U		REV	6		5		4		3		2		1					
DOCUMENT STATUS					P1		RELEASE DATE		2018/03/01		23:25:01		111040		SEE P/N TABLE		GENERAL MARKET	
							DOCUMENT NUMBER		1110400001		DOC TYPE		DOC PART		SHEET NUMBER		3 OF 3	
											PSD		000					