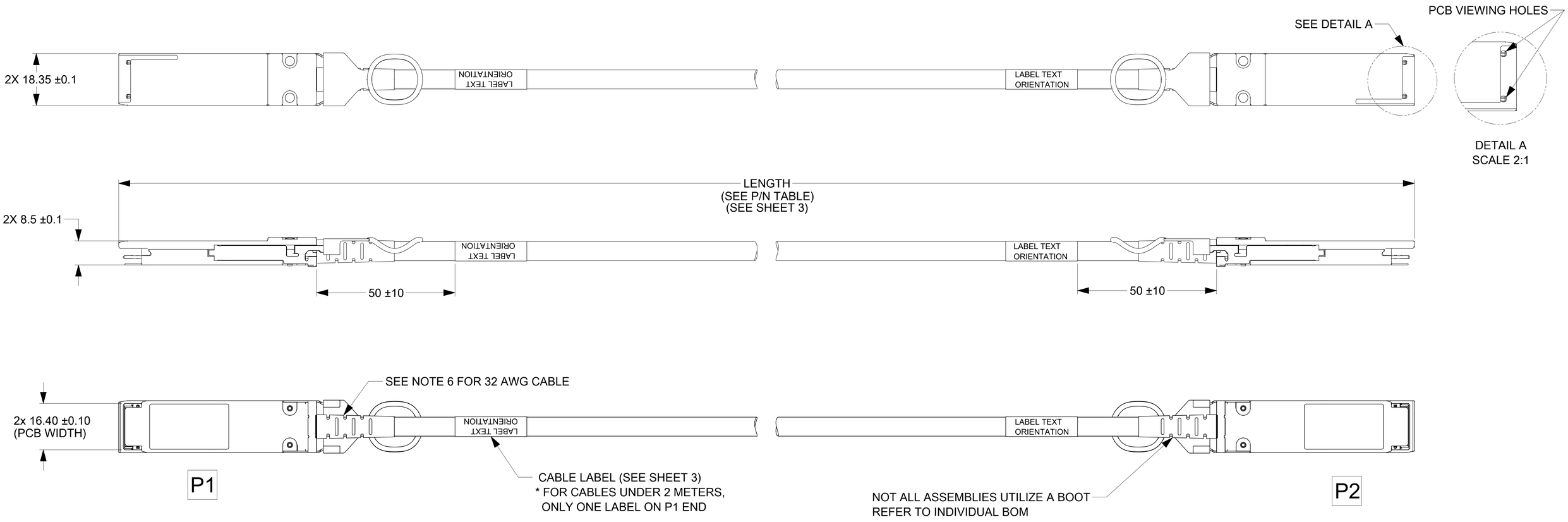
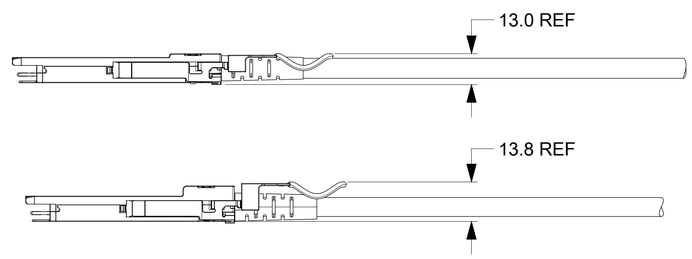




NOTES:

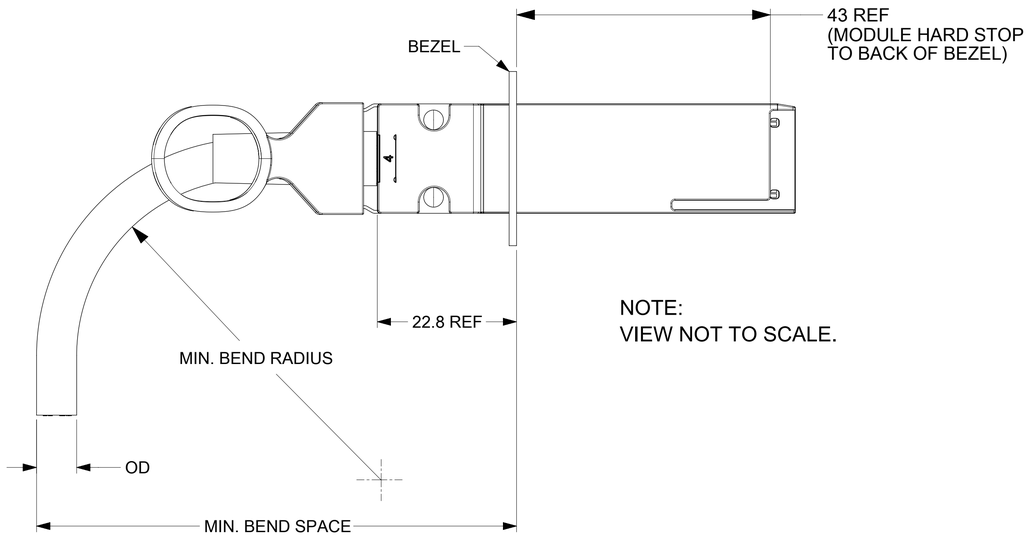
1. CABLE LENGTH DEPENDS ON WIRE GAUGE, DATA RATE, AND HOST BOARD DRIVER CAPABILITIES
2. MATERIALS:
   - BACKSHELLS - ZINC DIE CAST WITH BRIGHT NICKEL PLATING
   - DELATCH - STAINLESS STEEL WITH OVERMOLDED NYLON
   - PCB - HALOGEN FREE
   - RIVETS - STAINLESS STEEL
3. IMPEDANCE - 100 OHMS DIFFERENTIAL
4. CABLE ASSEMBLY IS UL RECOGNIZED
5. RoHS COMPLIANT, NO EXEMPTIONS
6. ACETATE CLOTH TAPE TO BE PLACED 3 MM REF FROM BACKSHELL CABLE EXIT AREA

DOCUMENT STATUS	P1	RELEASE DATE	2022/06/30 10:21:00				

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FUNCTIONAL SYMBOLS: FA = 0; FC = 0; FP = 0	DIMENSION UNITS: mm	SCALE: 1.5:1	CURRENT REV DESC: SHEET 3 : ADDED NEW PN 1002973451 IN PN TABLE	molex					
	GENERAL TOLERANCES (UNLESS SPECIFIED)			ZQSFP+ TO ZQSFP+ QSFP28 PASSIVE CABLE ASSEMBLY					
	ANGULAR TOL ± 1.0 °		EC NO: 712440						
	4 PLACES ±		DRWN: CHETAB3 2022/06/01	PRODUCT CUSTOMER DRAWING					
DIVISIONAL SYMBOLS	3 PLACES ±		CHK'D: VITTAD 2022/06/29						
	2 PLACES ± 0.13		APPR: SCHANNARAYAN 2022/06/30	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION		
	1 PLACE ± 0.25		INITIAL REVISION:	1002970001	PSD	000	U		
	0 PLACES ±		DRWN: KNAGANNA 2016/09/12						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: ARAYBURN 2016/09/22	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
					D-SIZE	100297	SEE P/N TABLE	GENERAL MARKET	1 OF 3

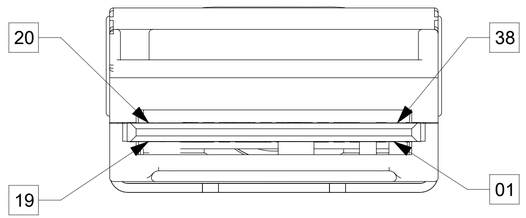
CABLE BEND RADIUS



NOTE:
VIEW NOT TO SCALE.

CABLE AWG	OD (mm)	MIN BEND RADIUS (mm)	MIN BEND SPACE (mm)
26	9.53	48	80
30	6.35	32	61
32	4.95	25	53

PINOUT



SCALE 6:1

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)
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)
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)

LOW SPEED SIGNALS P1 & P2	
PAD	SIGNAL
08	ModSelL
09	ResetL
10	VccRx
11	SCL
12	SDA
27	ModPrsL
28	IntL
29	VccTx
30	Vcc1
31	LPMode

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

DOCUMENT STATUS	P1	RELEASE DATE	2022/06/30 10:21:00

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FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0

DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 1.5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 1.0 °
4 PLACES ±
3 PLACES ±
2 PLACES ± 0.13
1 PLACE ± 0.25
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SHEET 3 : ADDED NEW PN 1002973451 IN PN TABLE

EC NO: 712440
DRWN: CHETAB3 2022/06/01
CHK'D: VITTAD 2022/06/29
APPR: SCHANNARAYAN 2022/06/30

INITIAL REVISION:
DRWN: KNAGANNA 2016/09/12
APPR: ARAYBURN 2016/09/22

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 100297

molex

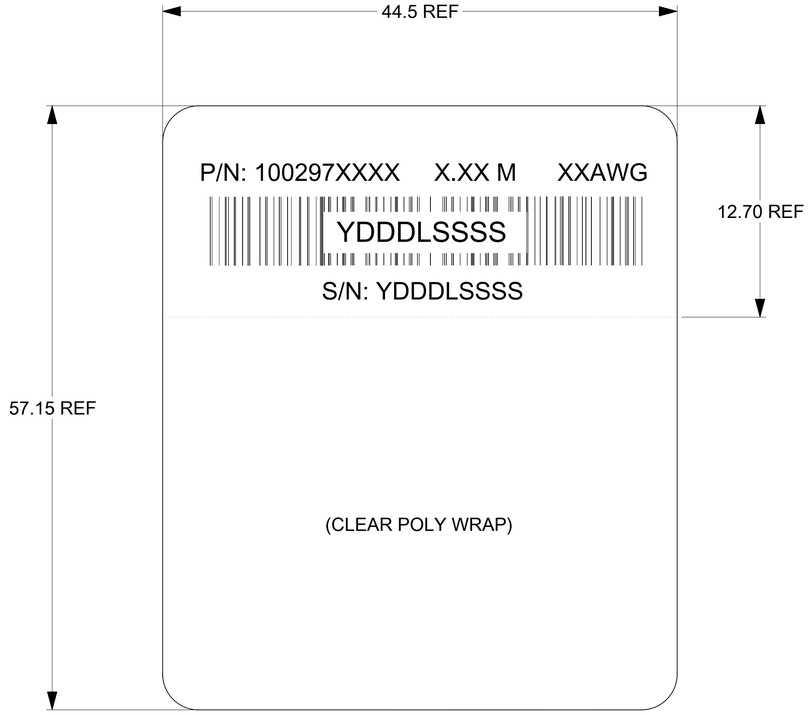
ZQSFP+ TO ZQSFP+
QSFP28 PASSIVE CABLE ASSEMBLY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1002970001	PSD	000	U

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE P/N TABLE	GENERAL MARKET	2 OF 3

LABEL DETAILS



P/N: 100297XXXX - MOLEX PART NUMBER (SEE P/N TABLE)

X.XX M - CABLE LENGTH IN METERS (EXAMPLES - 0.5M, 1.0M, 1.5M)
SEE P/N TABLE FOR THE NUMBER OF DIGITS

XXAWG - CABLE SIZE IN AWG

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

PART NUMBER TABLE

MOLEX P/N	LENGTH (M)	AWG
1002971321	0.32M ± 0.02M	32
1002971015	0.5M ± 0.05M	32
1002971001	1.0M ± 0.05M	32
1002971215	1.5M ± 0.08M	32
1002971002	2.0M ± 0.08M	32
1002971031	0.3M ± 0.02M	30
1002971051	0.5M ± 0.05M	30
1002971071	0.75 ± 0.05M	30
1002971101	1.0M ± 0.05M	30
1002971132	1.25M ± 0.05M	30
1002971151	1.5M ± 0.08M	30
1002971201	2.0M ± 0.08M	30
1002971251	2.5M ± 0.08M	30
1002971301	3.0M ± 0.08M	30
1002971401	4.0M ± 0.08M	30
1002973051	0.5M ± 0.05M	26
1002973071	0.75M ± 0.05M	26
1002973101	1.0M ± 0.05M	26
1002973151	1.5M ± 0.08M	26
1002973201	2.0M ± 0.08M	26
1002973251	2.5M ± 0.08M	26
1002973301	3.0M ± 0.08M	26
1002973351	3.5M ± 0.08M	26
1002973401	4.0M ± 0.08M	26
1002973451	4.5M ± 0.08M	26
1002973501	5.0M ± 0.08M	26

ZQSFP+ CABLES BELOW 1M DOES NOT MEET ALL IEEE 802.3bj PARAMETERS

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

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DIMENSION UNITS	SCALE
mm	1.5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SHEET 3 : ADDED NEW PN 1002973451 IN PN TABLE

EC NO: 712440

DRWN:	CHETAB3	2022/06/01
CHK'D:	VITTAD	2022/06/29
APPR:	SCHANNARAYAN	2022/06/30

INITIAL REVISION:

DRWN:	KNAGANNA	2016/09/12
APPR:	ARAYBURN	2016/09/22

molex

ZQSFP+ TO ZQSFP+
QSFP28 PASSIVE CABLE ASSEMBLY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1002970001	PSD	000	U

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	100297	SEE P/N TABLE	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2022/06/30 10:21:00