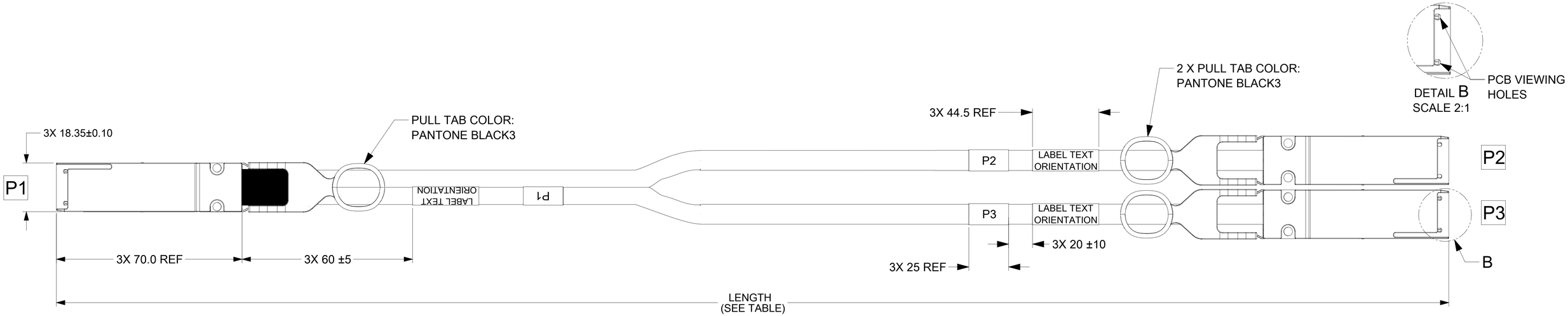
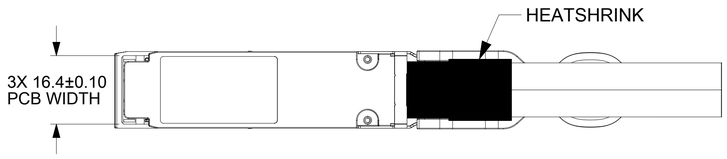
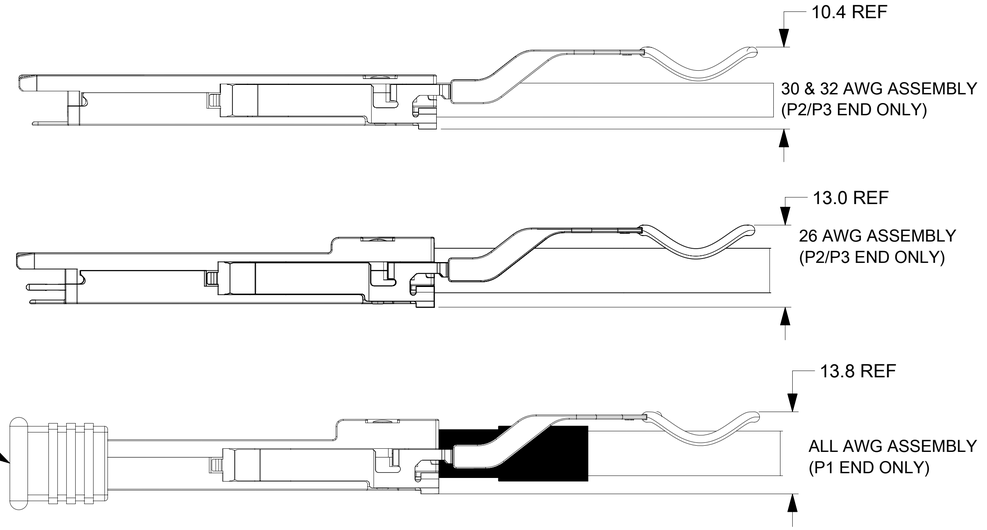






NOTES:
1. CABLE LENGTH DEPENDS ON WIRE GAUGE, DATA RATE, AND HOST BOARD DRIVER CAPABILITIES
2. MATERIALS:
   BACKSHELLS - ZINC DIE CAST WITH BRIGHT NICKEL PLATING
   DELATCH - STAINLESS STEEL WITH OVERMOLDED NYLON
   RAW CABLE JACKET- PVC
   RIVETS - STAINLESS STEEL
3. IMPEDANCE - 100 OHMS DIFFERENTIAL
4. 'P1' LABEL REQUIRED ON zQ END, 'P2' & 'P3' LABELS REQUIRED ON BOTH 2zQ ENDS
5. RoHS COMPLIANT, NO EXEMPTIONS

DOCUMENT STATUS	P1	RELEASE DATE	2021/11/16 14:03:19

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FUNCTIONAL SYMBOLS: FA = 0; FC = 0; FP = 0

DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	2:1

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: REPLCED SMALL HOLE WITH BIG HOLE PULL TAB

EC NO: 685509
DRWN: VITTAD 2021/11/04
CHK'D: ADITHK 2021/11/15
APPR: MGARRISON 2021/11/16

INITIAL REVISION:
DRWN: SJKG 2017/09/08
APPR: EMEDINA02 2017/11/22

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 205899

molex

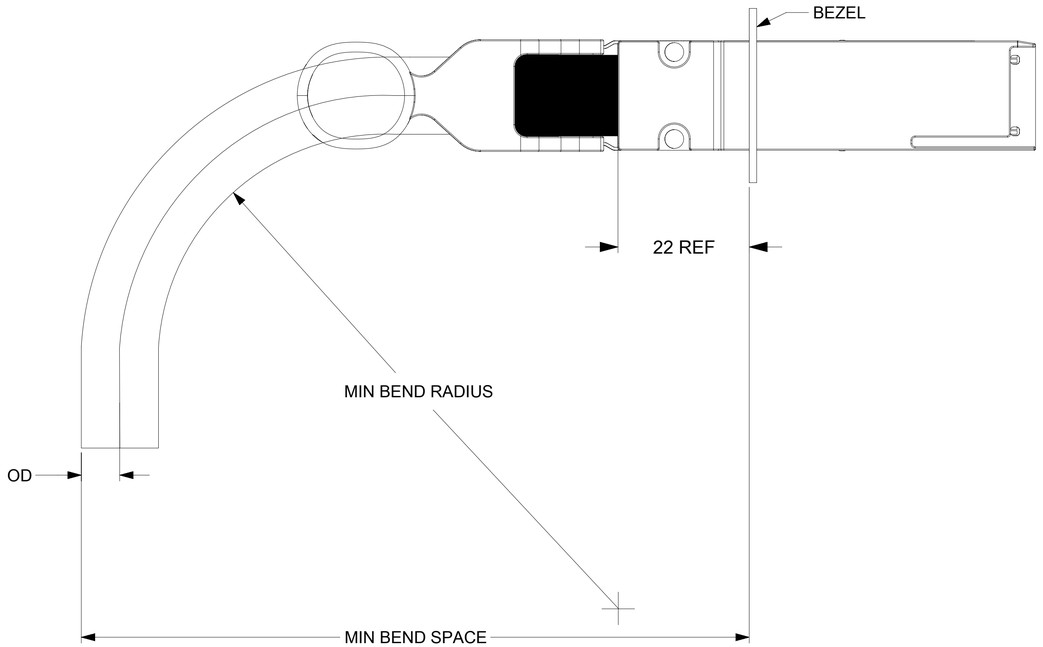
ZQSFP+ TO 2X ZQSFP+ 56G_PAM4
CABLE ASSEMBLY

PRODUCT CUSTOMER DRAWING

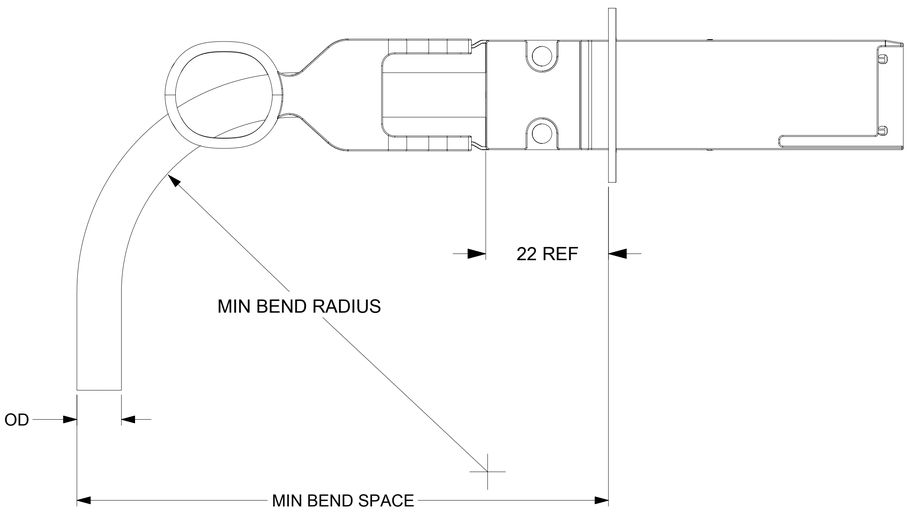
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2058991052	PSD	000	C

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE P/N TABLE	GENERAL MARKET	1 OF 3

CABLE BEND RADIUS

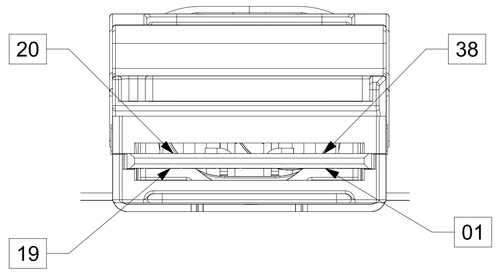


CABLE AWG	MINIMUM BEND RADIUS (mm)	MINIMUM BEND SPACE (mm)
30	29	63
26	46	75



CABLE AWG	O.D (mm)	MINIMUM BEND RADIUS (mm)	MINIMUM BEND SPACE (mm)
30	5.89	29	57
26	7.62	38	67

PINOUT



WIRING DIAGRAM				
QSFP P1		QSFP		
PAD	SIGNAL	SIGNAL	PAD	PLUG
38	GND	GND	19	P2
37	TX1-	Rx1-	18	
36	TX1+	Rx1+	17	
35	GND	GND	16	
19	GND	GND	38	
17	RX1+	Tx1+	36	
18	RX1-	Tx1-	37	
16	GND	GND	35	
01	GND	GND	20	
02	TX2-	Rx2-	21	
03	TX2+	Rx2+	22	
04	GND	GND	23	
20	GND	GND	01	
22	RX2+	Tx2+	03	
21	RX2-	Tx2-	02	
23	GND	GND	04	
35	GND	GND	19	P3
34	TX3-	Rx1-	18	
33	TX3+	Rx1+	17	
32	GND	GND	16	
16	GND	GND	38	
13	GND	GND	35	
14	RX3+	Tx1+	36	
15	RX3-	Tx1-	37	
04	GND	GND	20	
05	TX4-	Rx2-	21	
06	TX4+	Rx2+	22	
07	GND	GND	23	
23	GND	GND	01	
26	GND	GND	04	
25	RX4+	Tx2+	03	
24	RX4-	Tx2-	02	

LOW SPEED SIGNALS P1, P2 & P3	
PAD	SIGNAL
08	ModSelL
09	ResetL
10	VccRx
11	SCL
12	SDA
27	ModPrsL
28	IntL
29	VccTx
30	Vcc1
31	LPMode

QSFP+ PADS 1, 4, 7, 13, 16, 19, 20, 23, 26
32, 35 AND 38 ARE GND

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FA = 0
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FE = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± 1.0 °
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3 PLACES	±
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1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 205899

molex

ZQSFP+ TO 2X ZQSFP+ 56G_PAM4
CABLE ASSEMBLY

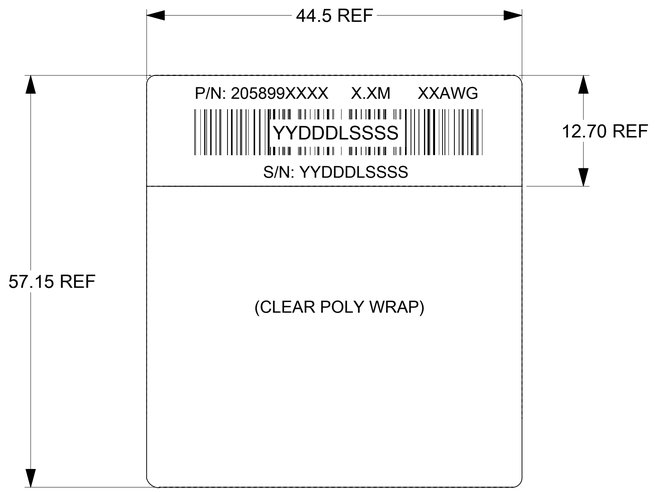
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
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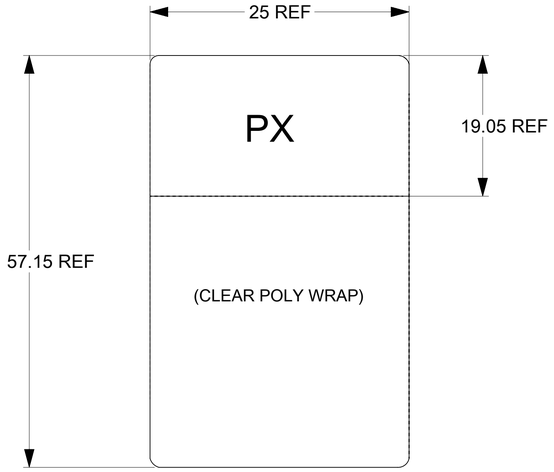
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE P/N TABLE	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2021/11/16 14:03:19

LABEL DETAILS



END LABEL



MOLEX P/N	LENGTH(M)	TOL.(M)	AWG	RAW CABLE
2058991052	0.5	0.05	30	TEMPFLEX
2058991102	1.0	0.05	30	
2058991152	1.5	0.08	30	
2058991202	2.0	0.08	30	
2058993102	1.0	0.05	26	
2058993152	1.5	0.08	26	
2058993202	2.0	0.08	26	
2058993252	2.5	0.08	26	
2058993302	3.0	0.08	26	

CABLES ASSEMBLIES BELOW 1M DOES NOT MEET ALL IEEE 802.3cd PARAMETERS

P/N: 205899XXXX - MOLEX PART NUMBER (SEE P/N TABLE)

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

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

'P2' & 'P3' LABELS REQUIRED
ON BOTH 2zQ ENDS.
'P1' LABEL REQUIRED ON zQ END.
PX - P1/P2/P3 ENDS

DOCUMENT STATUS	P1	RELEASE DATE	2021/11/16 14:03:19

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mm	1:1

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ZQSFP+ TO 2X ZQSFP+ 56G_PAM4
CABLE ASSEMBLY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2058991052	PSD	000	C

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	205899	SEE P/N TABLE	GENERAL MARKET	3 OF 3