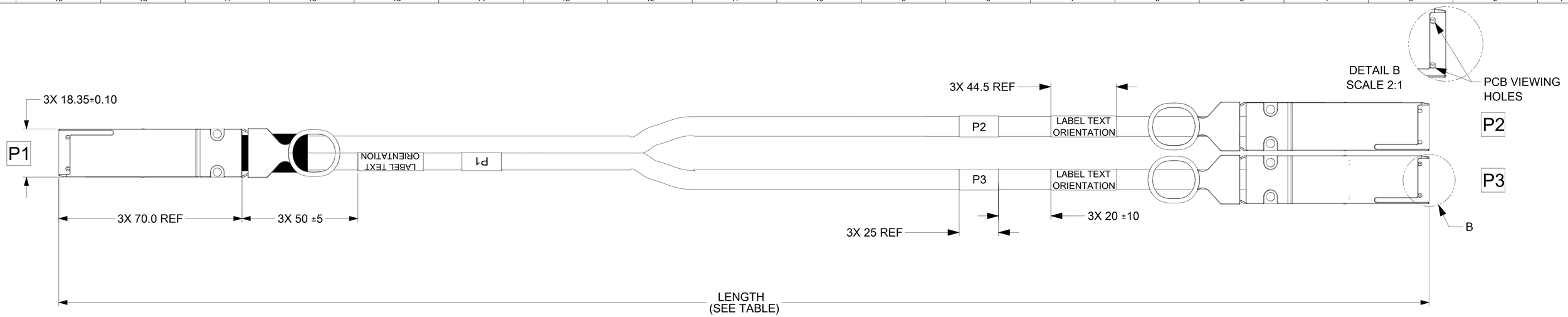
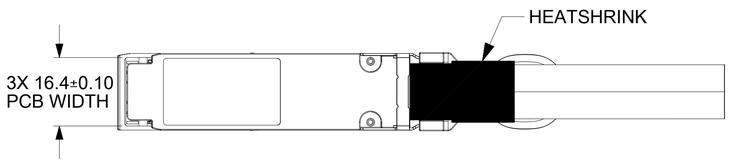
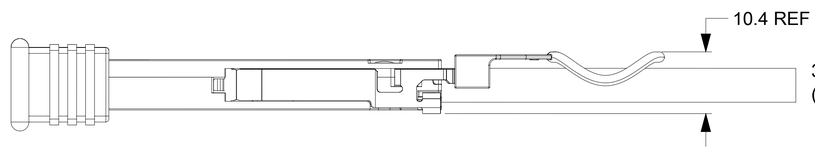
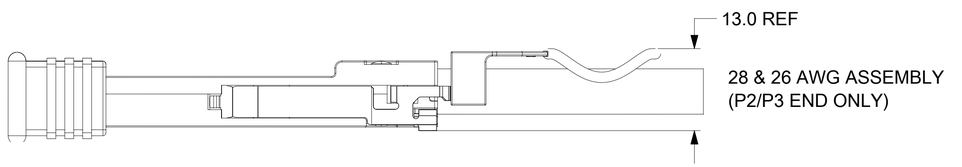
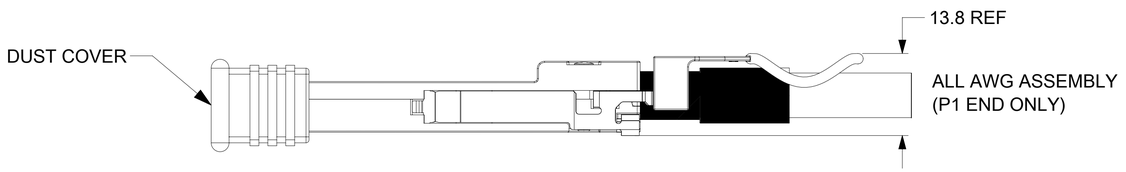












NOTES:
1. CABLE LENGTH DEPENDS ON WIRE GAUGE, DATA RATE, AND HOST BOARD DRIVER CAPABILITIES
2. MATERIALS:
   BACKSHELLS - ZINC DIE CAST WITH BRIGHT NICKEL PLATING
   DELATCH - STAINLESS STEEL WITH OVERMOLDED NYLON
   PCB - HALOGEN FREE
   RAW CABLE JACKET- PVC
   RIVETS - STAINLESS STEEL
3. IMPEDANCE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

DOCUMENT STATUS	P1	RELEASE DATE	2022/10/12 10:21:53

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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: REMOVED OBSOLETED PART NUMBER AS PER PCN#512658.

EC NO: 722794

DRWN:	SANTHN	2022/10/07
CHK'D:	GGA	2022/10/12
APPR:	GGA	2022/10/12

INITIAL REVISION:

DRWN:	MTAMBRALLI	2017/01/11
APPR:	ARAYBURN	2017/02/07

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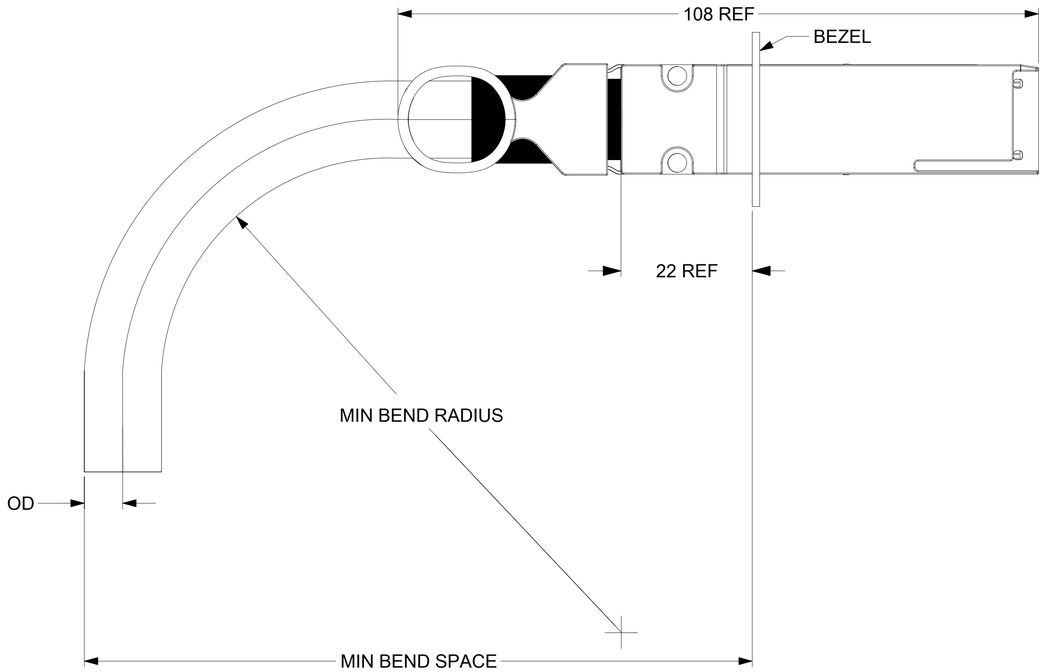
ZQSFP+ TO 2X ZQSFP+
BREAKOUT CABLE ASSEMBLY

PRODUCT CUSTOMER DRAWING

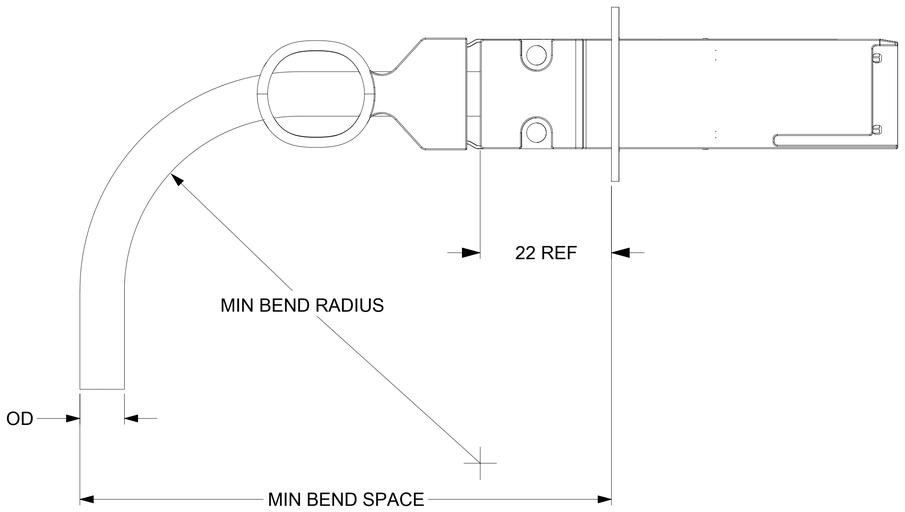
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1003461051	PSD	001	M1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	100346	SEE PN TABLE	GENERAL MARKET	1 OF 3

CABLE BEND RADIUS

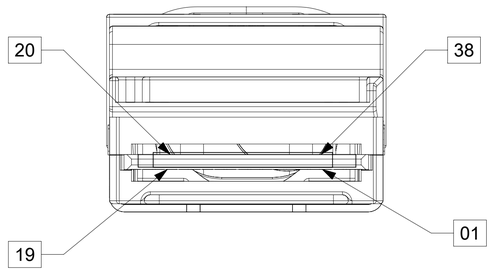


CABLE AWG	OD (mm)	MINIMUM BEND RADIUS (mm)	MINIMUM BEND SPACE (mm)
30	5.89	28	61
28	6.1	30	64
26	7.62	38	75



CABLE AWG	OD (mm)	MINIMUM BEND RADIUS (mm)	MINIMUM BEND SPACE (mm)
30	5.89	28	55
28	6.1	30	58
26	7.62	38	67

PINOUT



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

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	

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

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DIMENSION UNITS	mm
SCALE	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: REMOVED OBSOLETED PART NUMBER AS PER PCN#512658.

EC NO: 722794
DRWN: SANTHN 2022/10/07
CHK'D: GGA 2022/10/12
APPR: GGA 2022/10/12

INITIAL REVISION:
DRWN: MTAMBRALLI 2017/01/11
APPR: ARAYBURN 2017/02/07

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 100346

molex

ZQSFP+ TO 2X ZQSFP+
BREAKOUT CABLE ASSEMBLY

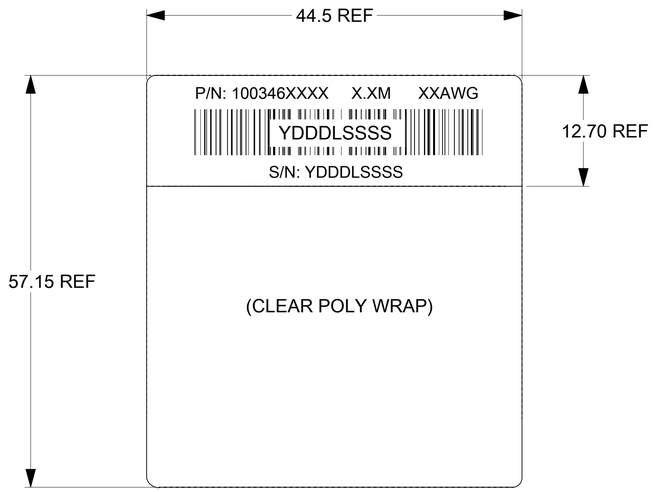
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1003461051	PSD	001	M1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE PN TABLE	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2022/10/12 10:21:53

LABEL DETAILS

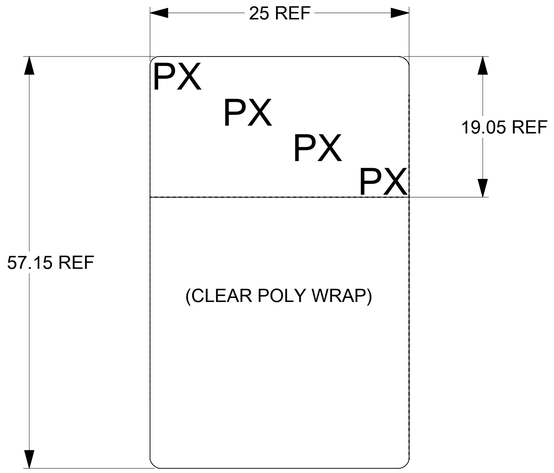


P/N: 100346XXXX - MOLEX PART NUMBER (SEE P/N TABLE)

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

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)

END LABEL



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

MOLEX P/N	LENGTH(M)	TOL.(M)	AWG	RAW CABLE
1003461051	0.5	±0.05	30	
1003461071	0.75	±0.05	30	
1003461101	1.0	±0.05	30	
1003461151	1.5	±0.08	30	
1003461201	2.0	±0.08	30	
1003461251	2.5	±0.08	30	
1003461301	3.0	±0.08	30	
1003462051	0.5	±0.05	28	
1003462071	0.75	±0.05	28	
1003462101	1.0	±0.05	28	
1003462151	1.5	±0.05	28	
1003462201	2.0	±0.08	28	
1003462251	2.5	±0.08	28	TEMPFLEX
1003462301	3.0	±0.08	28	
1003463051	0.5	±0.05	26	
1003463071	0.75	±0.05	26	
1003463101	1.0	±0.05	26	
1003463151	1.5	±0.05	26	
1003463201	2.0	±0.08	26	
1003463251	2.5	±0.08	26	
1003463301	3.0	±0.08	26	
1003463351	3.5	±0.08	26	
1003463401	4.0	±0.08	26	
1003463451	4.5	±0.08	26	
1003463501	5.0	±0.08	26	

*CABLES SHORTER THAN 1.0M,MAY NOT MEET ALL
SI PARAMETERS OF IEEE 802.3BJ.

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DIMENSION UNITS	mm
SCALE	1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 1.0 °
4 PLACES	±
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

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DRWN: MTAMBRALLI 2017/01/11
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molex

ZQSFP+ TO 2X ZQSFP+
BREAKOUT CABLE ASSEMBLY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1003461051	PSD	001	M1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	100346	SEE PN TABLE	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2022/10/12 10:21:53