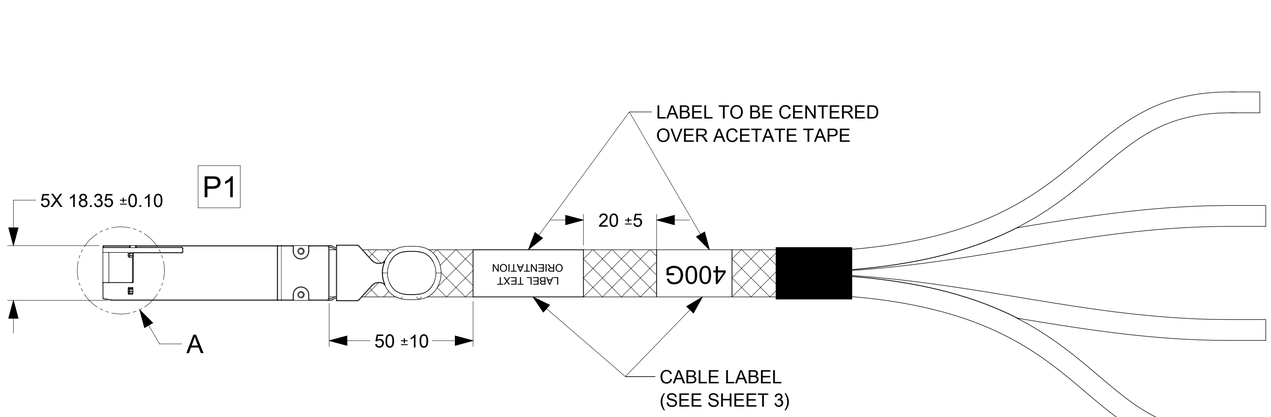
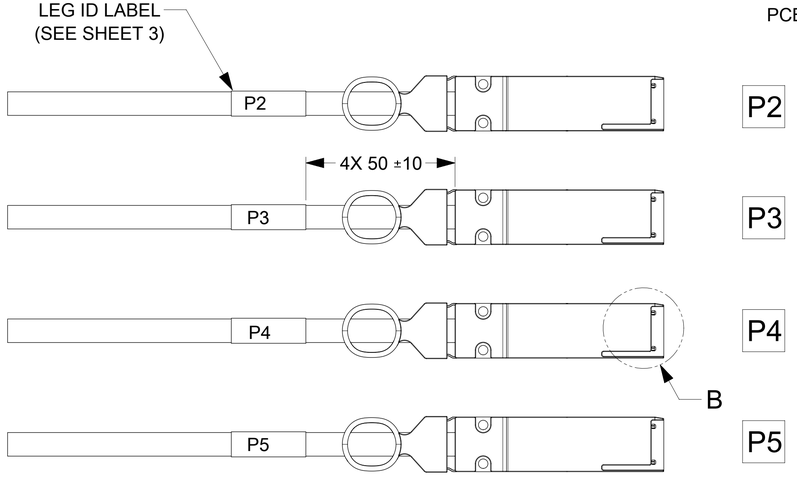
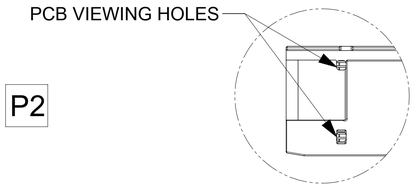
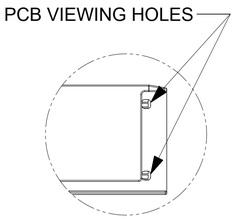


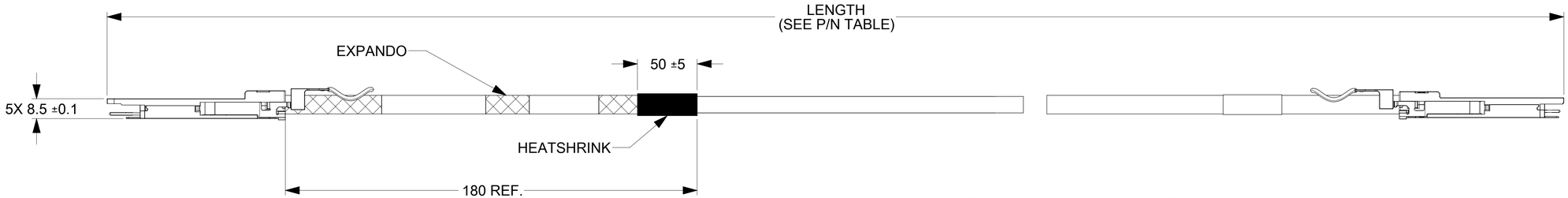


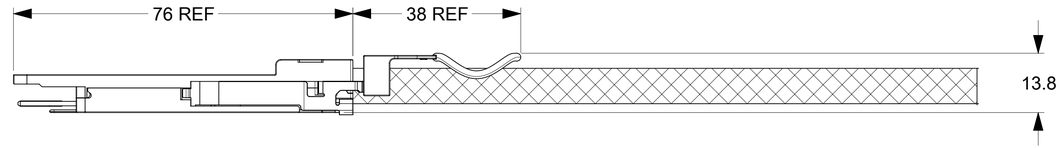


DETAIL A
SCALE 2:1

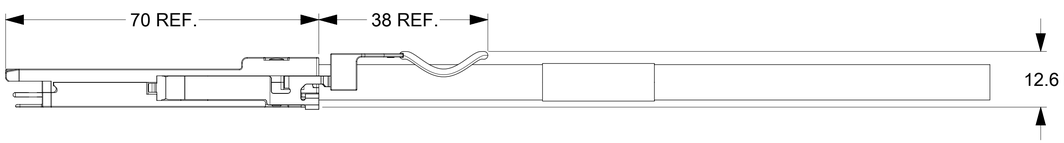


DETAIL B
SCALE 2:1

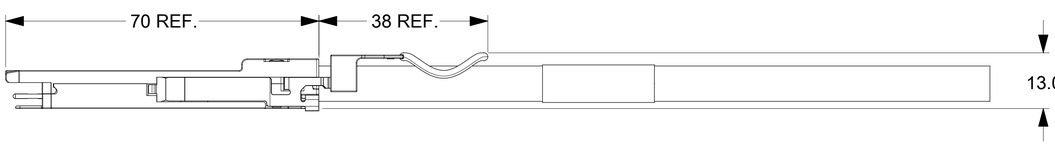




QSFP-DD ASSEMBLY
(P1 END)



zQSFP+ ASSEMBLY - 30AWG
(P2-P5 END)



zQSFP+ ASSEMBLY - 28AWG
(P2-P5 END)

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
   - RIVETS - STAINLESS STEEL
3. IMPEDANCE - 100 OHMS DIFFERENTIAL
4. CABLE IS UL RECOGNIZED (TBD)
5. EEPROM MAP AVAILABLE UPON REQUEST
6. RoHS COMPLIANT, NO EXEMPTIONS
7. ASSEMBLY TO BE SHIPPED WITH DUST COVERS INSTALLED ON ALL CABLE ENDS

DOCUMENT STATUS	P1	RELEASE DATE	2023/04/19 15:28:59

FUNCTIONAL SYMBOLS	DIMENSION UNITS	SCALE
FA = 0	mm	1:1
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
FP = 0	ANGULAR TOL ± 5.0 °	
DIVISIONAL SYMBOLS	4 PLACES ±	
	3 PLACES ±	
	2 PLACES ± 0.13	
	1 PLACE ± 0.25	
	0 PLACES ±	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

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

CURRENT REV DESC: SHEET3 : IN ZONE G8 TEXT " *CABLES MAY NOT MEET ALL SI PARAMETERS OF IEEE 802.3CD " ADDED.

EC NO: 746689
DRWN: KIRANG5 2023/04/12
CHK'D: VITTAD 2023/04/14
APPR: SCHANNARAYAN 2023/04/19

INITIAL REVISION:
DRWN: GWATERWORTH 2017/12/07
APPR: ADTUCKER 2017/12/14

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 206566

molex

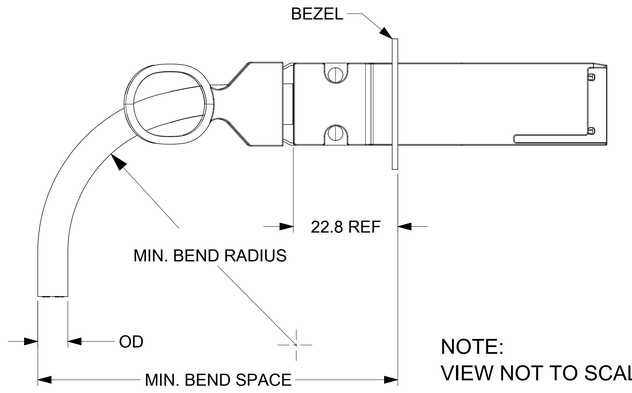
QSFP-DD TO (4) ZQSFP+ 56G CABLE ASY

PRODUCT CUSTOMER DRAWING

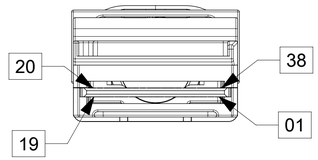
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2065661000	PSD	000	H

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

zQSFP+ CABLE BEND RADIUS

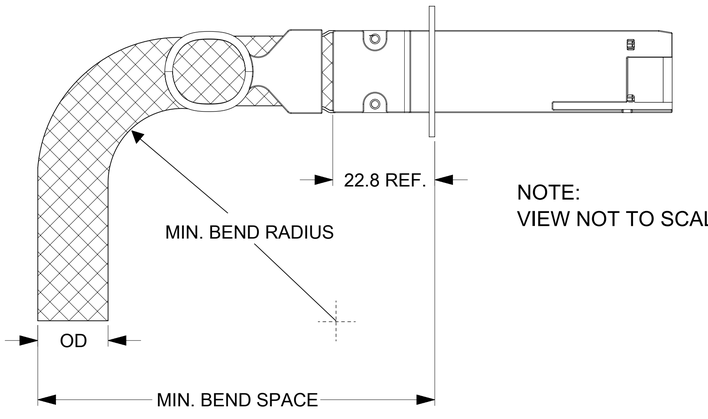


NOTE:
VIEW NOT TO SCALE.



CABLE AWG	OD (mm)	MIN BEND RADIUS (mm)	MIN BEND SPACE (mm)
26	6.8	34	63.6
28	6.5	32.5	61.8
30	5.9	29.5	58.2

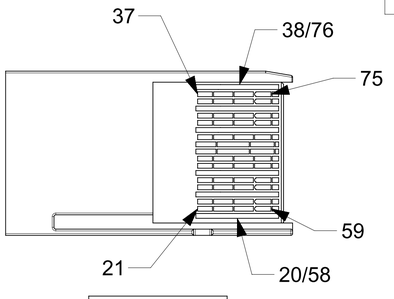
QSFP-DD CABLE BEND RADIUS



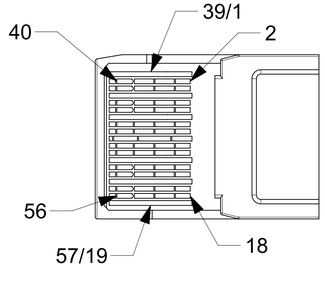
NOTE:
VIEW NOT TO SCALE.

CABLE AWG	OD (mm)	MIN BEND RADIUS (mm)	MIN BEND SPACE (mm)
26	(13)	(65)	(101)
28	12.5	62.5	97.8
30	(9.4)	(47)	(79)

MINIMUM BEND RADIUS PENDING QUALIFICATION. NUMBERS ABOVE ARE ESTIMATES AND SUBJECT TO CHANGE.



TOP VIEW



BOTTOM VIEW

LOW SPEED SIGNALS P1, P2, P3, P4, & P5	
PAD	SIGNAL
8	MODSELL
9	RESETL
10	VCCRX
11	SCL
12	SDA
27	MODPRSL
28	INTL
29	VCCTX
30	VCC1
31	INIT_MODE
46	OPEN
47	OPEN
48	OPEN
49	OPEN
50	OPEN
65	OPEN
66	OPEN
67	OPEN
68	OPEN
69	OPEN

WIRING DIAGRAM					
QSFP-DD			zQSFP+		
PAD	SIGNAL		PAD	SIGNAL	LEG
1	GND	----	20	GND	
2	TX2n	--->	21	RX2n	P2
3	TX2p	--->	22	RX2p	
4	GND	----	20	GND	
5	TX4n	--->	21	RX2n	
6	TX4p	--->	22	RX2p	
7	GND	----		GND	P3
13	GND	----		GND	
14	RX3p	<---	36	TX1p	
15	RX3n	<---	37	TX1n	
16	GND	----	38	GND	
17	RX1p	<---	36	TX1p	
18	RX1n	<---	37	TX1n	
19	GND	----	38	GND	P2
20	GND	----	1	GND	
21	RX2n	<---	2	TX2n	
22	RX2p	<---	3	TX2p	
23	GND	----	1	GND	
24	RX4n	<---	2	TX2n	
25	RX4p	<---	3	TX2p	
26	GND	----		GND	P3
32	GND	----		GND	
33	TX3p	--->	17	RX1p	
34	TX3n	--->	18	RX1n	
35	GND	----	19	GND	
36	TX1p	--->	17	RX1p	
37	TX1n	--->	18	RX1n	P2
38	GND	----	19	GND	

WIRING DIAGRAM					
QSFP-DD			zQSFP+		
PAD	SIGNAL		PAD	SIGNAL	LEG
39	GND	----	20	GND	
40	TX6n	--->	21	RX2n	P4
41	TX6p	--->	22	RX2p	
42	GND	----	20	GND	
43	TX8n	--->	21	RX2n	
44	TX8p	--->	22	RX2p	
45	GND	----		GND	P5
51	GND	----		GND	
52	RX7p	<---	36	TX1p	
53	RX7n	<---	37	TX1n	
54	GND	----	38	GND	
55	RX5p	<---	36	TX1p	
56	RX5n	<---	37	TX1n	
57	GND	----	38	GND	P4
58	GND	----	1	GND	
59	RX6n	<---	2	TX2n	
60	RX6p	<---	3	TX2p	
61	GND	----	1	GND	
62	RX8n	<---	2	TX2n	
63	RX8p	<---	3	TX2p	
64	GND	----		GND	P5
70	GND	----		GND	
71	TX7p	--->	17	RX1p	
72	TX7n	--->	18	RX1n	
73	GND	----	19	GND	
74	TX5p	--->	17	RX1p	
75	TX5n	--->	18	RX1n	P4
76	GND	----	19	GND	

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

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

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

DIMENSION UNITS: mm | SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	5.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SHEET3 : IN ZONE G8 TEXT " *CABLES MAY NOT MEET ALL SI PARAMETERS OF IEEE 802.3CD " ADDED.

EC NO: 746689
DRWN: KIRANG5 2023/04/12
CHK'D: VITTAD 2023/04/14
APPR: SCHANNARAYAN 2023/04/19

INITIAL REVISION:
DRWN: GWATERWORTH 2017/12/07
APPR: ADTUCKER 2017/12/14

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 206566 | MATERIAL NUMBER: SEE P/N TABLE | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 2 OF 3

molex

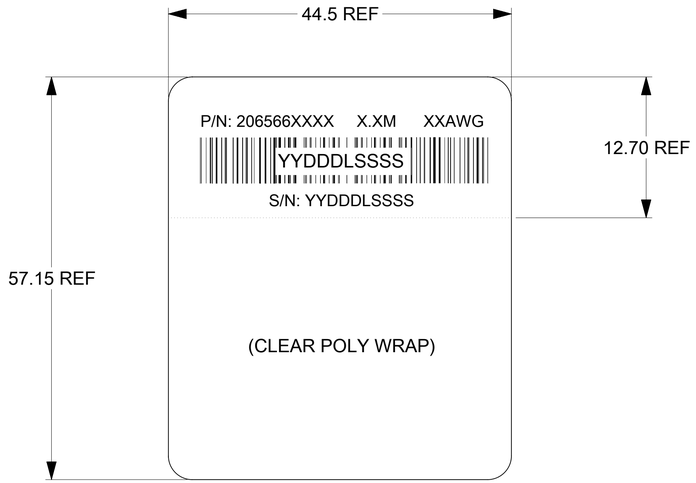
QSFP-DD TO (4) ZQSFP+ 56G CABLE ASY

PRODUCT CUSTOMER DRAWING

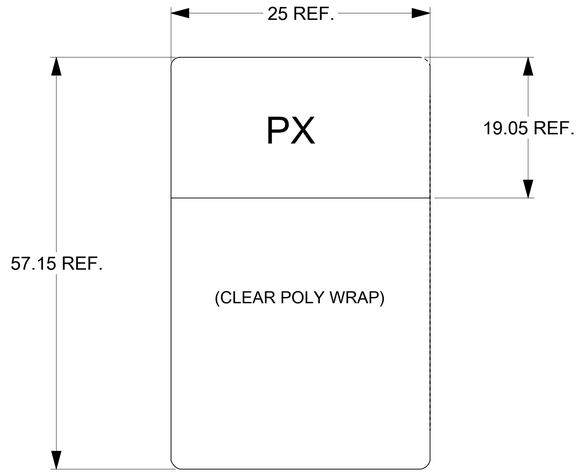
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2065661000	PSD	000	H

DOCUMENT STATUS	P1	RELEASE DATE	2023/04/19 15:28:59

LABEL DETAIL



LEG ID LABEL



PX: P2 - P5

MOLEX P/N	LENGTH (M)	AWG
2065661005	0.5M +/- 0.05M	30
2065661010	1.0M +/- 0.05M	30
2065661015	1.5M +/- 0.08M	30
2065663005*	0.5M +/- 0.05M	28
2065663010	1.0M +/- 0.05M	28
2065663015	1.5M +/- 0.08M	28
2065663020	2.0M +/- 0.08M	28
2065663025	2.5M +/- 0.08M	28
2065663030	3.0M +/- 0.08M	26

*CABLES MAY NOT MEET ALL SI PARAMETERS OF IEEE 802.3CD

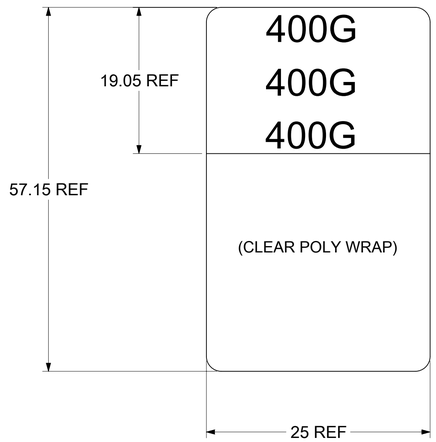
P/N: 206566XXXX - MOLEX PART NUMBER (SEE P/N TABLE)

X.XM - 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 2 DIGITS OF YEAR
DDD = DAY OF THE YEAR
L = LOCATION
1 - USA
2 - MEXICO
3 - CHINA
4 - PHILIPPINES
SSSS = SERIAL NUMBER (0001-9999)

SPEED LABEL



TENTATIVE PROPOSAL
PENDING ELECTRICAL QUALIFICATION

DOCUMENT STATUS	P1	RELEASE DATE	2023/04/19 15:28:59

FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FE = 0
DIVISIONAL SYMBOLS

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

DIMENSION UNITS	mm
SCALE	1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 5.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.13
1 PLACE	± 0.25
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: SHEET3 : IN ZONE G8 TEXT " *CABLES MAY NOT MEET ALL SI PARAMETERS OF IEEE 802.3CD " ADDED.

EC NO:	746689	
DRWN:	KIRANG5	2023/04/12
CHK'D:	VITTAD	2023/04/14
APPR:	SCHANNARAYAN	2023/04/19
INITIAL REVISION:		
DRWN:	GWATERWORTH	2017/12/07
APPR:	ADTUCKER	2017/12/14

molex

QSFP-DD TO (4) ZQSFP+ 56G CABLE ASY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2065661000	PSD	000	H

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	206566	SEE P/N TABLE	GENERAL MARKET	3 OF 3