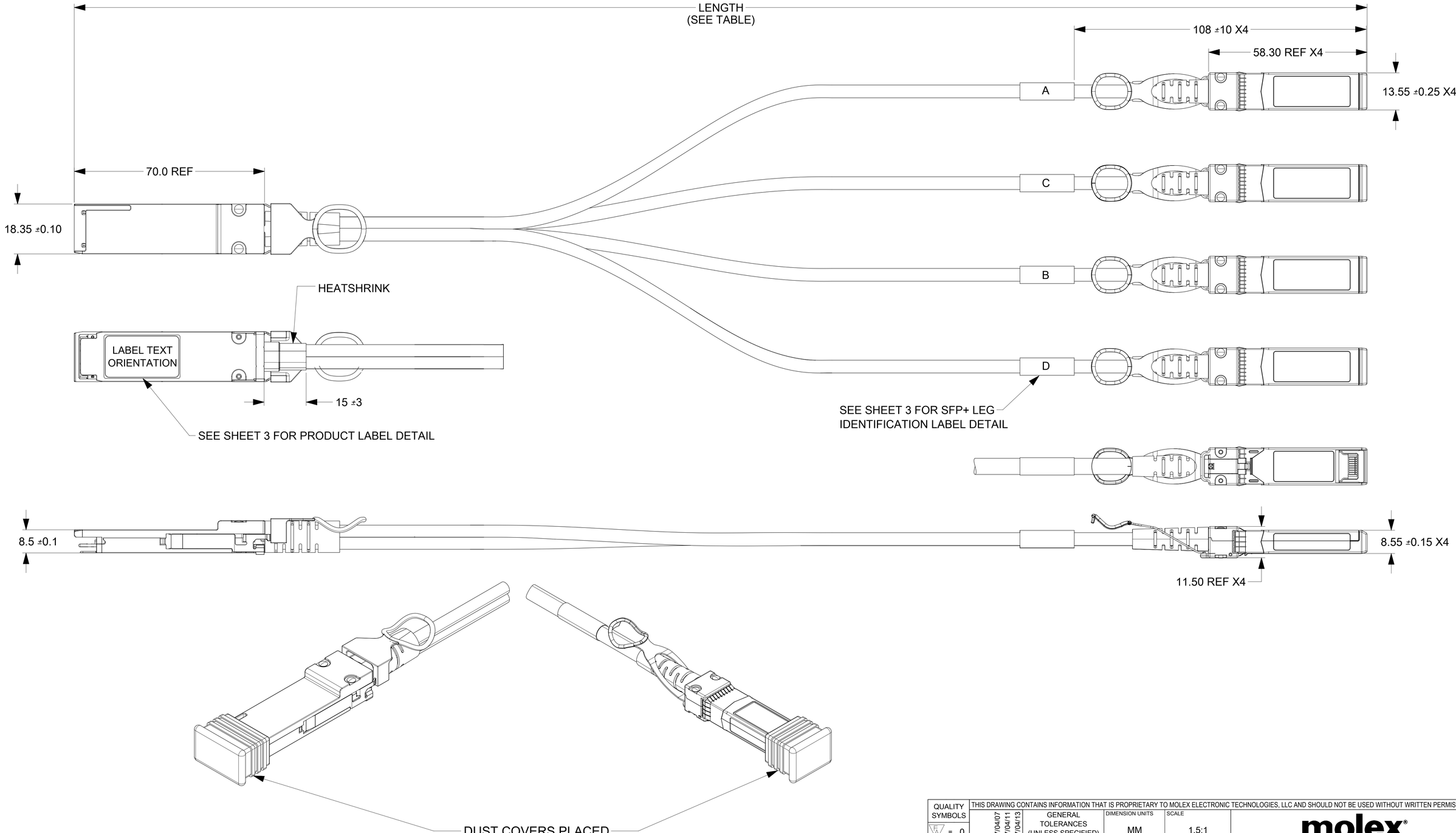
Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



NOTES:

1. MATERIALS:
   - BACKSHELLS - ZINC DIE CAST WITH BRIGHT NICKEL PLATING
   - DELATCH - STAINLESS STEEL AND OVERMOLDED NYLON
   - PCB - FR4
   - RIVETS - STAINLESS STEEL
2. IMPEDANCE - 100 OHMS DIFFERENTIAL
3. RoHS COMPLIANT, NO EXEMPTIONS

RELEASE STATUS	P1	RELEASE DATE	13.04.2017 14:23:24

QUALITY SYMBOLS: A = 0; E = 0; F = 0; ▼ = 0; C = 0; ☒ = 0; ■ = 0; ◇ = 0

REMOVED NOTE FOR 6M
EC NO: 115621 2017/04/07
DRWN: EMEDINA02 2017/04/11
CHK'D: SRATKOVIC 2017/04/13
APPR: ARAYBURN

REV: K

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

DIMENSION UNITS	MM
SCALE	1.5:1
DRWN BY	EMEDINA02
DATE	2017/03/01
CHK'D BY	DRAMIREZ02
DATE	2017/03/08
APPR BY	ARAYBURN
DATE	2017/03/14
DRAWING SIZE	D
	THIRD ANGLE PROJECTION

molex®

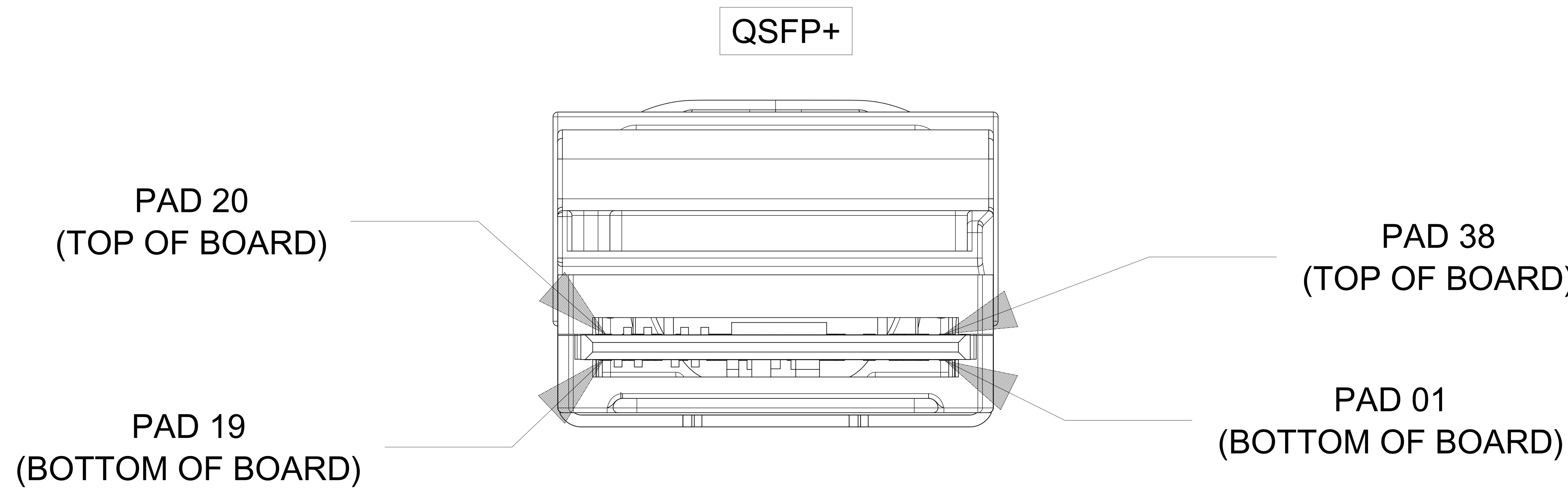
QSFP+ TO (4) SFP+ 10G PASSIVE CBL ASSY

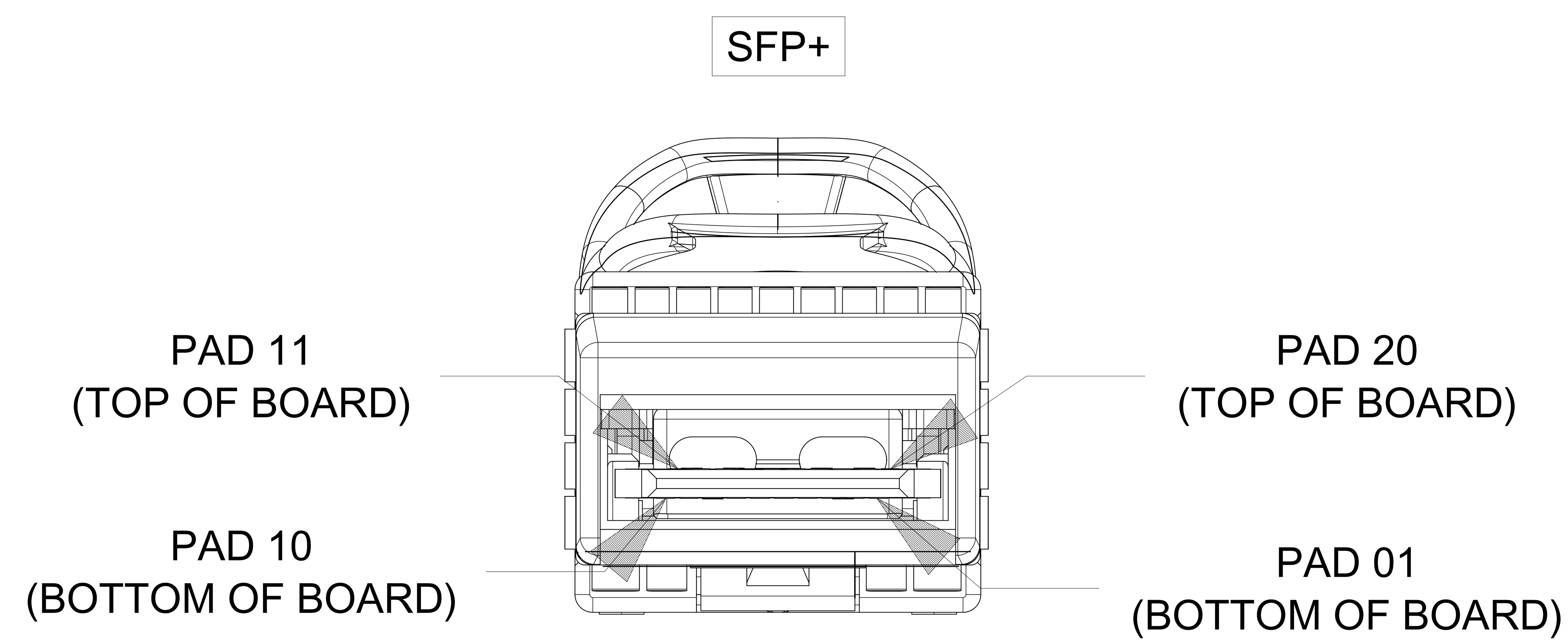
PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
74764	SEE P/N TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
747640001	PSD	000	1 OF 3

WIRING DIAGRAM					
QSFP+		SFP+			
PAD	SIGNAL		SIGNAL	PAD	PLUG
38	GND	- - - -	GND		A
37	TX1-	- - ->	RD-	12	
36	TX1+	- - ->	RD+	13	
16	GND	- - - -	GND		
17	RX1+	<- - -	TD+	18	
18	RX1-	<- - -	TD-	19	
04	GND	- - - -	GND		B
02	TX2-	- - ->	RD-	12	
03	TX2+	- - ->	RD+	13	
23	GND	- - - -	GND		
22	RX2+	<- - -	TD+	18	
21	RX2-	<- - -	TD-	19	
35	GND	- - - -	GND		C
34	TX3-	- - ->	RD-	12	
33	TX3+	- - ->	RD+	13	
13	GND	- - - -	GND		
14	RX3+	<- - -	TD+	18	
15	RX3-	<- - -	TD-	19	
07	GND	- - - -	GND		D
05	TX4-	- - ->	RD-	12	
06	TX4+	- - ->	RD+	13	
26	GND	- - - -	GND		
25	RX4+	<- - -	TD+	18	
24	RX4-	<- - -	TD-	19	





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

LOW SPEED SIGNALS	
SFP+	
PAD	SIGNAL
02	Tx_Fault
03	Tx_Disable
04	SDA
05	SCL
06	Mod_ABS
07	RS0
08	Rx_LOS
09	RS1
15	VccR
16	VccT

QUALITY SYMBOLS	
FA	= 0
FC	= 0
FP	= 0
(filled triangle)	= 0
C	= 0
(crossed box)	= 0
(filled box)	= 0
C	= 0

REVISIONS: REV K — REMOVED NOTE FOR 6M; EC NO: 115621; DRWN: EMEDINA02 2017/04/07; CHK'D: SRATKOVIC 2017/04/11; APPR: ARAYBURN 2017/04/13

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

DIMENSION UNITS: MM	SCALE: 7:1	
DRWN BY: EMEDINA02	DATE: 2017/03/01	
CHK'D BY: DRAMIREZ02	DATE: 2017/03/08	
APPR BY: ARAYBURN	DATE: 2017/03/14	
DRAWING SIZE: D	THIRD ANGLE PROJECTION	

molex®

QSFP+ TO (4) SFP+ 10G PASSIVE CBL ASSY

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER	
74764	SEE P/N TABLE	GENERAL MARKET	
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
747640001	PSD	000	2 OF 3

RELEASE STATUS	P1	RELEASE DATE	13.04.2017	14:23:24

PRODUCT LABEL DETAIL

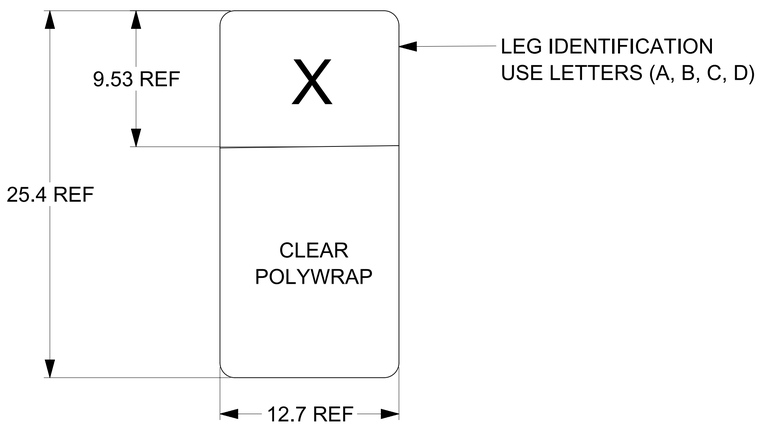
P/N SEE TABLE FOR PN
X.XM = LENGTH AS SHOWN IN TABLE
XXAWG = AWG SIZE

YDDDLSSSS
Y = LAST DIGIT OF THE YEAR
DDD = DAY OF THE YEAR
L = LOCATION
1 = US
2 = MEXICO
3 = CHINA
4 = PHILIPPINES
SSSS = (0001-9999)

PART NUMBER TABLE

MOLEX P/N	LENGTH	TOL.	AWG
747641031	0.25M	±0.03M	30
747641051	0.5M	±0.03M	30
747641081	0.75M	±0.03M	30
747641101	1.0M	±0.05M	30
747641131	1.25M	±0.05M	30
747641053	1.5M	±0.05M	30
747641181	1.75M	±0.05M	30
747641201	2.0M	±0.05M	30
747641251	2.5M	±0.05M	30
747641301	3.0M	±0.05M	30
747641401	4.0M	±0.05M	30
747642201	2.0M	±0.05M	28
747642301	3.0M	±0.05M	28
747642331	3.3M	±0.05M	28
747642351	3.5M	±0.05M	28
747642371	3.7M	±0.05M	28
747642401	4.0M	±0.05M	28
747642501	5.0M	±0.05M	28
747643601	6.0M	±0.05M	26

SFP LEG IDENTIFICATION LABEL DETAIL



QUALITY SYMBOLS
F = 0
E = 0
D = 0
= 0
C = 0
= 0
= 0
= 0

REMOVED NOTE FOR 6M
EC NO: 115621 2017/04/07
DRWN: EMEDINA02 2017/04/11
CHK'D: SRATKOVIC 2017/04/13
APPR: ARAYBURN

REV: K

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 1.0 °
4 PLACES ±
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: MM
SCALE: 1:1
DRWN BY: EMEDINA02 DATE: 2017/03/01
CHK'D BY: DRAMIREZ02 DATE: 2017/03/08
APPR BY: ARAYBURN DATE: 2017/03/14
DRAWING SIZE: D
THIRD ANGLE PROJECTION

molex®

QSFP+ TO (4) SFP+ 10G PASSIVE CBL ASSY

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
74764	SEE P/N TABLE	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
747640001	PSD	000	3 OF 3

RELEASE STATUS	P1	RELEASE DATE	13.04.2017 14:23:24