



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

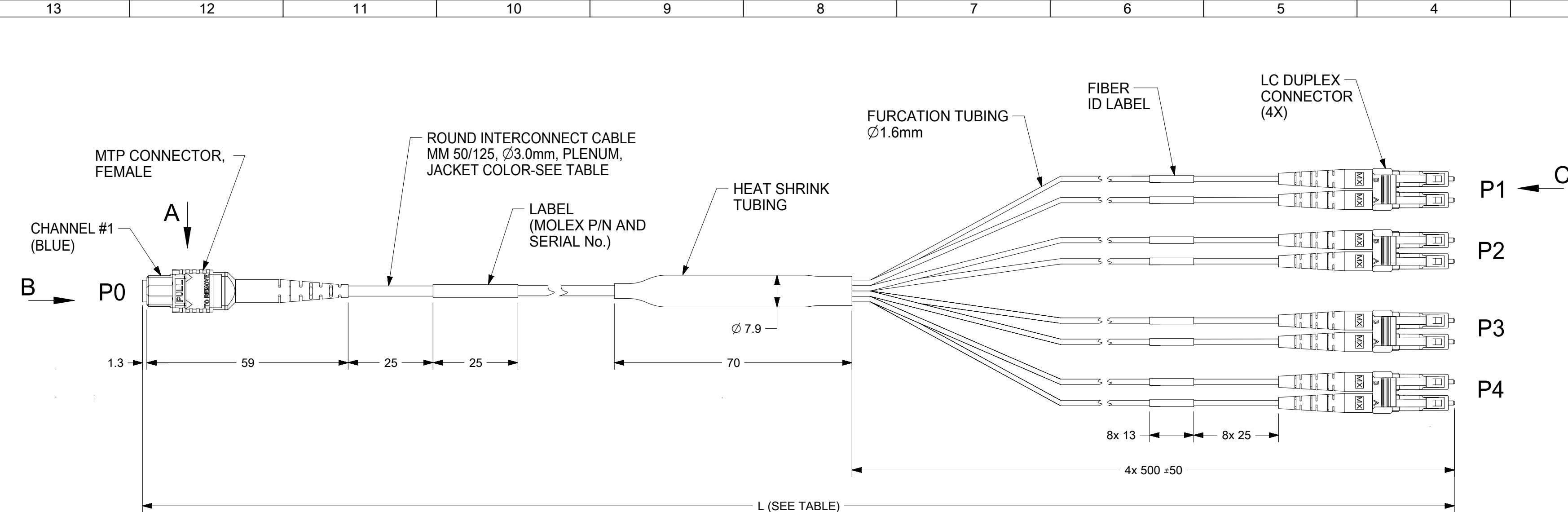
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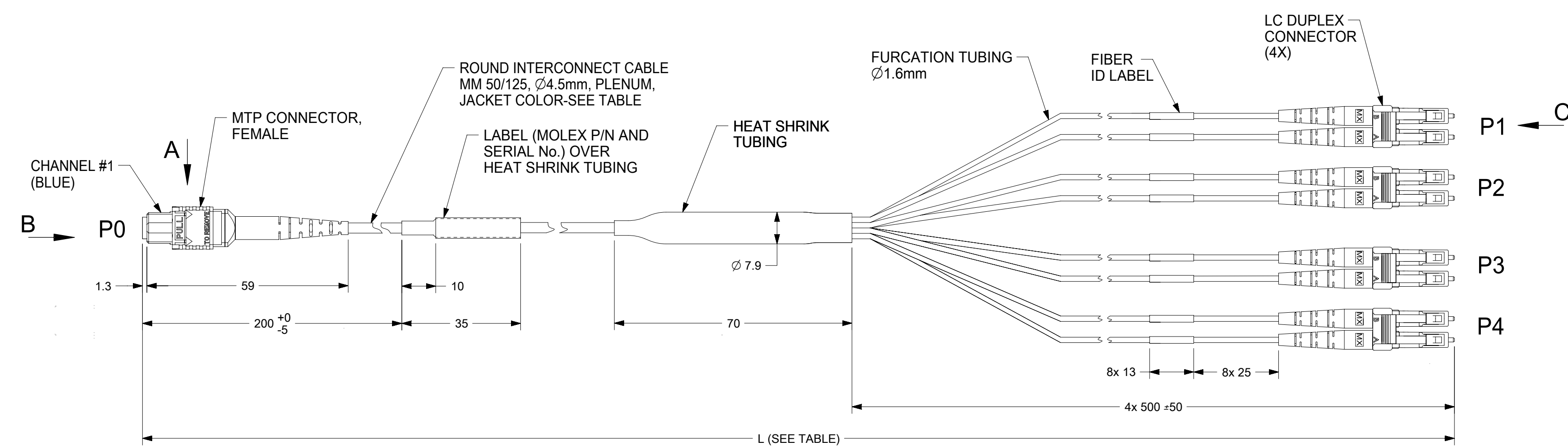
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



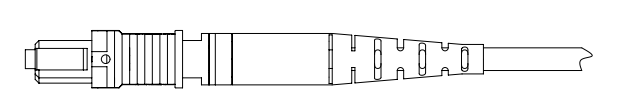
QSFP CABLE ASSEMBLY PART NUMBER			OVERALL LENGTH L (m)	CABLE DIA (mm)	CABLE TYPE
STANDARD BANDWIDTH (OM2 FIBER)	HIGH BANDWIDTH (OM3 FIBER)	HIGH BANDWIDTH (OM3 FIBER)			
106283-5001	106283-5101	106283-5401	1.0 +0.2/-0	3.0	BARE FIBER INTERCONNECT, SINGLE JACKET
106283-5009	106283-5109	106283-5402	2.0 +0.2/-0		
TBD	TBD	106283-5415	2.4 +0.2/-0		
106283-5002	106283-5102	106283-5403	3.0 +0.2/-0		
TBD	TBD	106283-5416	3.8 +0.2/-0		
TBD	106283-5119	1062835434	4.0 +0.2/-0		
TBD	TBD	106283-5417	4.6 +0.2/-0		
106283-5003	106283-5103	106283-5404	5.0 +0.20/-0		
TBD	106283-5121	TBD	5.5 +0.20/-0		
TBD	106283-5122	106283-5411	6.0 +0.20/-0		
TBD	TBD	106283-5418	6.1 +0.20/-0		
106283-5014	106283-5114	106283-5414	7.0 +0.20/-0		
TBD	TBD	106283-5419	7.6 +0.20/-0		
TBD	106283-5118	1062835435	8.0 +0.25/-0		
106283-5004	106283-5104	106283-5405	10.0 +0.3/-0		
TBD	106283-5117	TBD	12.0 +0.3/-0		
106283-5005	106283-5105	106283-5406	15.0 +0.3/-0		
106283-5007	106283-5107	106283-5407	20.0 +0.4/-0		
106283-5017	106283-5108	106283-5408	30.0 +0.6/-0		
106283-5015	106283-5115	106283-5511	50.0 +1.0/-0		
TBD	106283-5126	106283-5409	75.0 +1.5/-0		
TBD	106283-5127	106283-5410	80.0 +1.6/-0		
106283-5016	106283-5116	TBD	100.0 +2.0/-0		
				4.5	BARE FIBER INTERCONNECT, DUAL JACKET



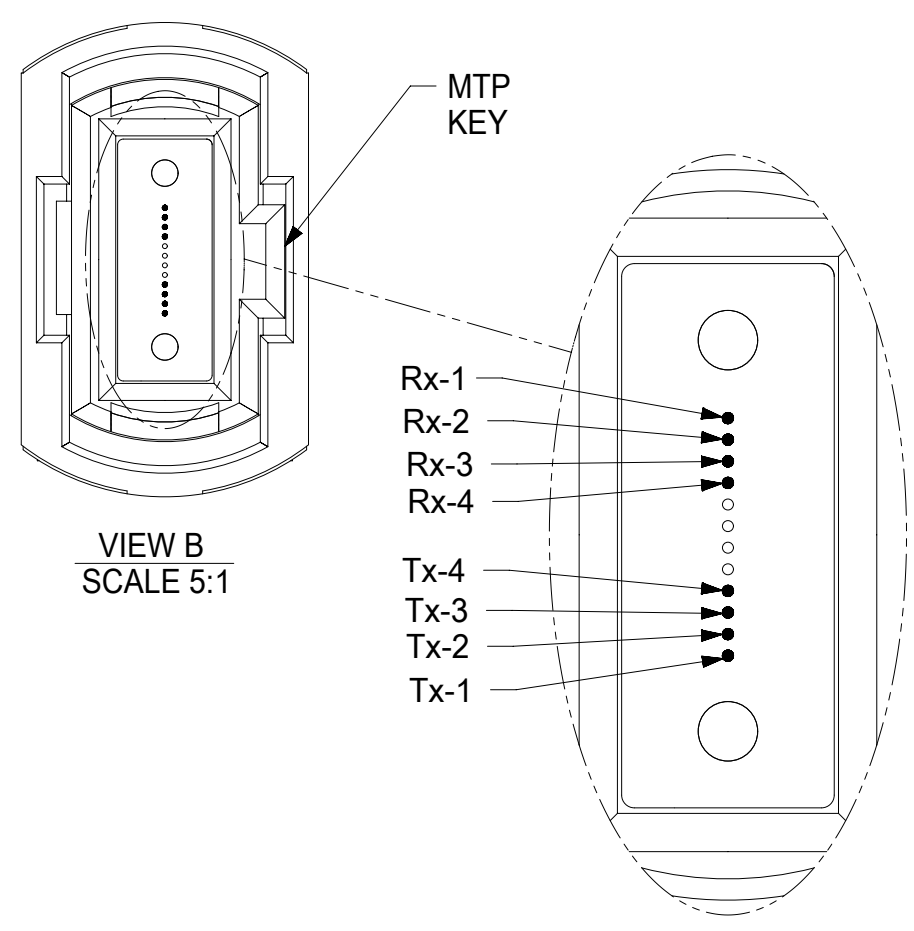
SINGLE JACKET ASSEMBLY



DUAL JACKET ASSEMBLY



VIEW A



VIEW B SCALE 5:1

OPTICAL CONNECTION		
FROM P0	TO CONNECTOR	FIBER ID
Rx-1	P1-B	Tx-1
Rx-2	P2-B	Tx-2
Rx-3	P3-B	Tx-3
Rx-4	P4-B	Tx-4
UNUSED	UNUSED	UNUSED
UNUSED	UNUSED	UNUSED
UNUSED	UNUSED	UNUSED
UNUSED	UNUSED	UNUSED
Tx-4	P4-A	Rx-4
Tx-3	P3-A	Rx-3
Tx-2	P2-A	Rx-2
Tx-1	P1-A	Rx-1

NOTES:

1. CABLE ASSEMBLY SPECIFICATIONS:	
OPTICAL PROPERTIES	
FIBER TYPE	MULTIMODE 50/125 μm BEND-INSENSITIVE
CONNECTOR INSERTION LOSS MTP/LC (MAX.)	0.5/0.35 dB
CABLE ATTENUATION (MAX.)	3.5/1.2 dB/km AT 850/1300 nm
*BANDWIDTH	SEE TABLE 1
ENVIRONMENTAL PROPERTIES	
CONNECTOR MATERIALS	UL94 V-0
CABLE FLAMMABILITY RATING	PLENUM OFNP (NFPA 262/UL 910)
OPERATING TEMPERATURE RANGE	-0°C TO +70°C
MECHANICAL PROPERTIES	
FIBER COUNT	4 Tx X 4 Rx
CABLE MIN. BEND RADIUS	
SHORT TERM	50 mm - SINGLE JACKET 89 mm - DUAL JACKET
LONG TERM	20 mm - SINGLE JACKET 57 mm - DUAL JACKET
NO LOAD	12.5 mm - SINGLE JACKET OR SUBUNIT JACKET OF DUAL JACKET
COMPRESSIVE FORCE	
SINGLE JACKET OR SUBUNIT JACKET OF DUAL JACKET	>3.5 N/mm

2. IN CONTROLLED 90° AND 180° BENDS, CABLE MINIMUM BEND RADIUS CAN BE REDUCED TO 1.5 in (38 mm).

TABLE 1

FIBER TYPE	OVERFILLED LAUNCH BANDWIDTH, MIN. (MHz-km)		1 GIGABIT ETHERNET LINK DISTANCE, MIN. (m)		10 GIGABIT ETHERNET LINK DISTANCE, MIN. (m)		EFFECTIVE MODAL BANDWIDTH (MHz-km)
	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm	
STANDARD BANDWIDTH (OM2)	500	500	600	---	86	---	---
HIGH BANDWIDTH (OM3)	1500	500	1000	---	300	---	2000
HIGH BANDWIDTH (OM4)	3500	550	1040	---	550	---	4700

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

SYMBOLS: 0 = DIMENSION UNITS, SCALE: mm 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL ± 0.5°

4 PLACES ±, 3 PLACES ±, 2 PLACES ±, 1 PLACE ±, 0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING SERIES: D-SIZE 106283

CURRENT REV DESC: EC NO: 176878, DRWN: MAGHAYERE01, APPR: IGUMIN, 2018/05/16, 2018/05/25, 2018/05/25

INITIAL REVISION: DRWN: JSZEWCZYK, APPR: IGUMIN, 2007/04/18, 2007/04/18

MOLEX

MOLEX QSFP OPTICAL BREAK-OUT CABLE ASSEMBLY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: SD-106283-5XXX, DOC TYPE: PSD, DOC PART: 001, REVISION: E14

MATERIAL NUMBER: GENERAL MARKET, SHEET NUMBER: 1 OF 1