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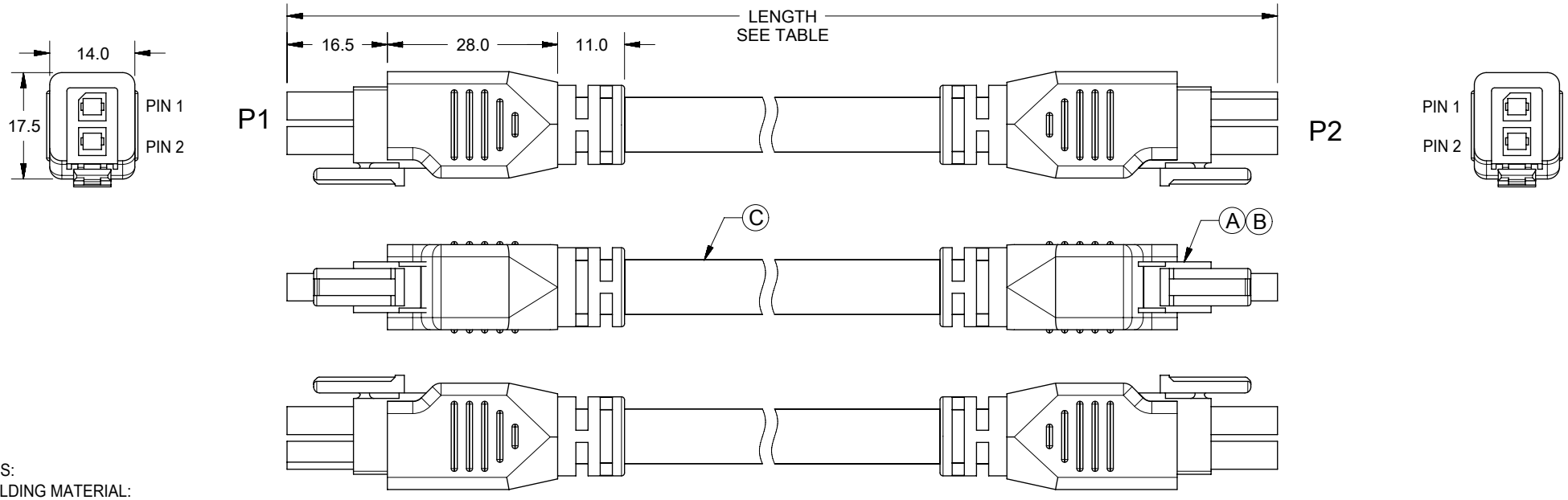
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

REVISIONS				
EC NO	DATE	REV	DESCRIPTION	CHANGER
NA	2018/02/02	A	INITIAL RELEASE	LH LIU



NOTES:
1. MOLDING MATERIAL:
 1.1 INNERMOLD AND STOPPER MOLD: PE RESIN.
 1.2 OVERMOLD: BLACK PVC RESIN.
2. ELECTRICAL PERFORMANCE:
 2.1 CURRENT RATING: 18 AMPS.
 (EACH APPLICATION SHOULD BE EVALUATED BY THE END USER FOR COMPLIANCETO SPECIFIC SAFETY AGENCY REQUIREMENTS. THE RATING IS PROVIDED AS REFERENCE. APPROPRIATE DE-RATING IS REQUIRED BASED ON AMBIENT CONDITIONS,COPPER TRACE SIZE ON THE PCB, GROSS HEATING FROM ADJACENT MODULES/COMPONENTS AND OTHER FACTORS THAT INFLUENCE CONNECTOR PERFORMANCE.)
 2.2 VOLTAGE RATING: 300V AC.
 2.3 THIS PRODUCT MUST PASS 100% CONTINUITY TEST PER MOLEX ES-000.
 1) DIELECTRONIC STRENGTH: 500V DC/0.01 SEC.
 2) INSULATION RESISTANCE: 20M OHMS.
3. MECHANICAL PERFORMANCE:
 3.1 OVERMOLD SIDE CAN WITHSTAND 5KGF AXIAL TENSILE FORCE FOR ONE MINUTE WITHOUT PHYSICAL DAMAGE.
 3.2 OVERMOLD SIDE CAN PASS THE BENDING TEST IN 100 CYCLES AT EACH OF 2 PLANES, PER EIA364-41 CONDITION I.
 3.3 MINIMUM DYNAMIC BEND REDIUS: 90MM
 3.4 MINIMUM STATIC BEND REDIUS: 45MM
4. TEMPERATURE:
 4.1 OPERATING TEMPERATURE: -20 TO 80 C DEG.
 (INCLUDING T-RISE FROM APPLIED CURRENT)
5. ALL MATERIALS MUST MEET RoHS 2011/65/EU.

TABLE

PN	TITLE	LENGTH
2451360220	Megafit 2 Circuit Black 2M Overmolded	2000+/-20
2451360210	Megafit 2 Circuit Black1MOvermolded	1000+/-15
2451360205	Megafit 2 Circuit Black500MM Overmolded	500+/-10

WIRING CHART		
P1	WIRE COLOR	P2
PIN 1	BLACK	PIN 1
PIN 2	RED	PIN 2

ITEM	DESCRIPTION	L(MM)	Q'TY
C	2Cx12AWG,UNSH,PVC,BK,OD8.80mm,UL2464	SEE TABLE	
B	Mega-Fit Receptacle Hsg 2 ckt V-0		2
A	Mega-Fit Female Crimp 12 AWG 15 Gold		4

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

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 2.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.25
1 PLACE	± 0.5
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 172077
DRWN: LHLIU 2018/02/09
CHK'D: LHLIU 2018/02/09
APPR: CLAN01 2018/02/12

INITIAL REVISION:
DRWN: XJGUO01 2016/06/18
APPR: CLAN01 2018/02/12

THIRD ANGLE PROJECTION | DRAWING: A4-SIZE | SERIES: 201440

molex

SEE TABLE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2014400068	PSD	000	A1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2018/02/12 03:45:21

FORMAT: master-tb-prod-A4
REVISION: H
DATE: 2018/01/18