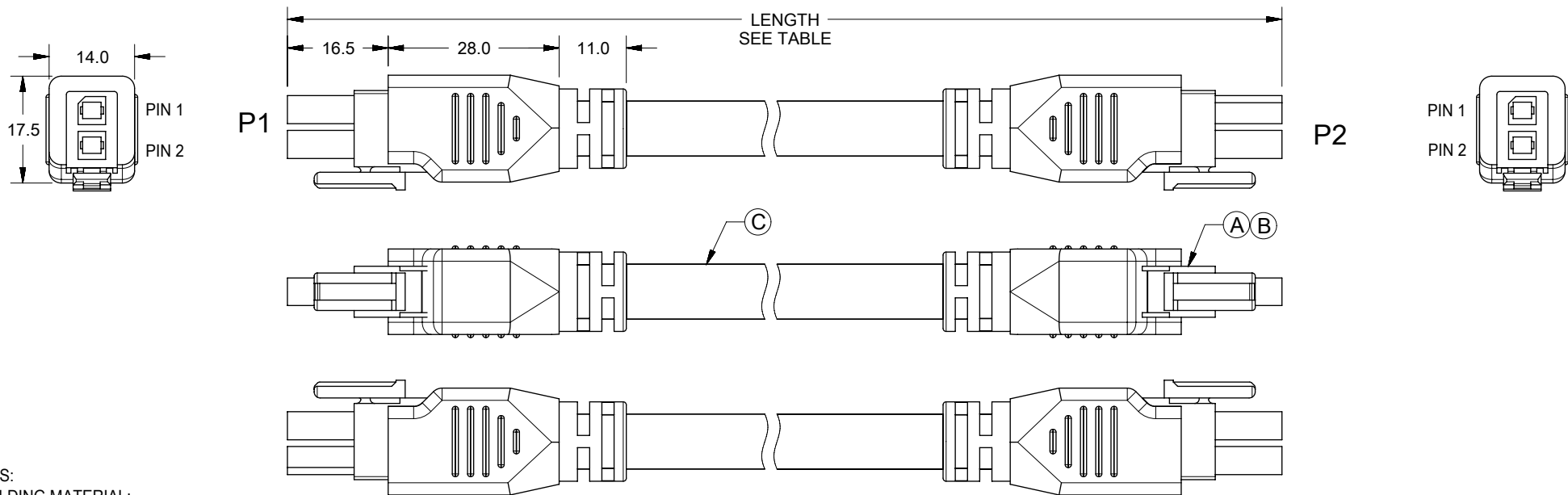


REVISIONS				
EC NO	DATE	REV	DESCRIPTION	CHANGER
NA	2018/02/02	A	INITIAL RELEASE	LH LIU



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 COMPLIANCE TO 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) DIELECTRIC 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 RADIUS: 90MM
- 3.4 MINIMUM STATIC BEND RADIUS: 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

2451360220	Megafit 2 Circuit Black 2M Overmolded	2000+/-20
2451360210	Megafit 2 Circuit Black1M Overmolded	1000+/-15
2451360205	Megafit 2 Circuit Black500MM Overmolded	500+/-10
PN	TITLE	LENGTH

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

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
ITEM	DESCRIPTION	L(MM)	Q'TY

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

DIMENSION UNITS	SCALE	CURRENT REV DESC:		molex				
mm	1:1			SEE TABLE				
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 172077		PRODUCT CUSTOMER DRAWING				
ANGULAR TOL	± 2.0°	DRWN: LH LIU	2018/02/09	DOCUMENT NUMBER				
4 PLACES	±	CHK'D: LH LIU	2018/02/09	2014400068		DOC TYPE	DOC PART	REVISION
3 PLACES	±	APPR: CLAN01	2018/02/12	PSD		000	A1	
2 PLACES	± 0.25	INITIAL REVISION:		MATERIAL NUMBER				
1 PLACE	± 0.5	DRWN: XJGUO01	2018/06/18	SEE TABLE		CUSTOMER		SHEET NUMBER
0 PLACES	±	APPR: CLAN01	2018/02/12	GENERAL MARKET		1 OF 1		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	
			A4-SIZE	201440	SEE TABLE		GENERAL MARKET	

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