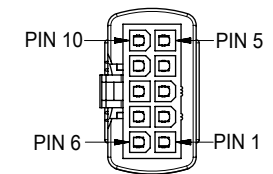
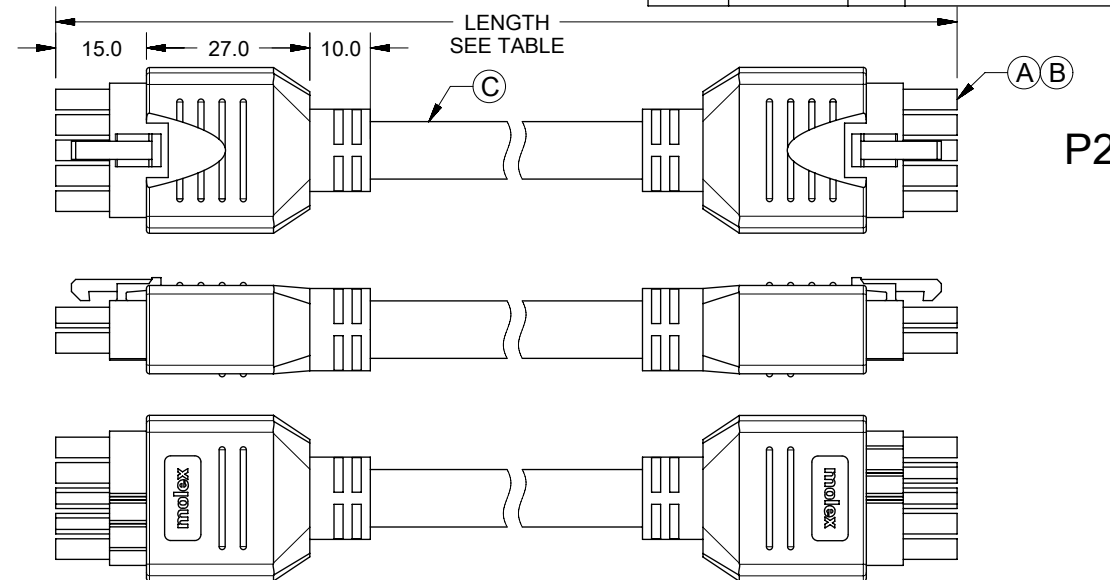
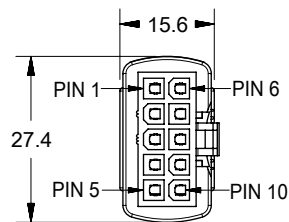


REVISIONS				
EC NO	DATE	REV	DESCRIPTION	CHANGER
NA	2016/09/23	A	INITIAL RELEASE	LH LIU



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: 5 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) 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 RADIUS: 95MM
 - 3.4 MINIMUM STATIC BEND RADIUS: 50MM
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.

WIRING CHART		
P1	WIRE COLOR	P2
PIN 1	BLACK	PIN 1
PIN 2	RED	PIN 2
PIN 3	WHITE	PIN 3
PIN 4	GREEN	PIN 4
PIN 5	ORANGE	PIN 5
PIN 6	BLUE	PIN 6
PIN 7	YELLOW	PIN 7
PIN 8	GRAY	PIN 8
PIN 9	BROWN	PIN 9
PIN 10	PURPLE	PIN 10

TABLE

2451351020	Minifit Jr 10 Circuit Black 2M OM	2000+/-20
2451351010	Minifit Jr 10 Circuit Black 1M OM	1000+/-15
2451351005	Minifit Jr 10 Circuit Black 500MM OM	500+/-10
PN	TITLE	LENGTH

C	10CX18AWG;UNSH;PVC;BK;9.50MM;UL2464	SEE TABLE	
B	NEW MINI FIT CONN HOUS 55710R		2
A	MF PLUS HCS CRIMP TERM. FEM 18-20 GA TIN		20
ITEM	DESCRIPTION	L(MM)	Q'TY

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
= 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0		2016/09/22 2016/09/29 2016/10/05		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS MM		SCALE 1:1		molex® SEE TABLE			
EC NO: 109041 DRWN: XJGU001 CHK'D: LHUI APPR: FNIE		ANGULAR TOL ± 2.0 °		DRWN BY XJGU001		DATE 2016/06/21							
		4 PLACES ±		CHK'D BY LHUI		DATE 2016/09/22		PRODUCT CUSTOMER DRAWING					
		3 PLACES ±		APPR BY		DATE							
		2 PLACES ± 0.25		DRAWING SIZE A4		THIRD ANGLE PROJECTION		SERIES 201440		MATERIAL NUMBER SEE TABLE		CUSTOMER GENERAL MARKET	
		1 PLACE ± 0.5						DOCUMENT NUMBER 2014400066		DOC TYPE PSD		DOC PART 000	
		0 PLACES ±											
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											

RELEASE STATUS	P1	RELEASE DATE	06.10.2016	04:09:37
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