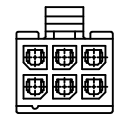
PART CHARACTERISTICS

NUMBER OF POSITION	ASSEMBLY ITEM NUMBER	MATERIAL
02	43025-0200	
04	43025-0400	
06	43025-0600	"B"
08	43025-0800	
10	43025-1000	
12	43025-1200	"A"
14	43025-1400	"B"
16	43025-1600	"A"
18	43025-1800	
20	43025-2000	"B"
22	43025-2200	
24	43025-2400	"A"

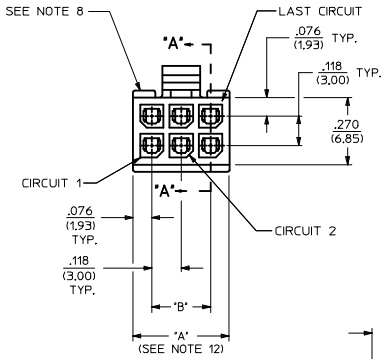
CKT. NO.	DIM. "A" +.014 -.010 +0.35 -0.25	DIM. "B"
2	.152/(3,86)	N/A
4	.270/(6,85)	.118/(3,00)
6	.388/(9,85)	.236/(6,00)
8	.506/(12,85)	.354/(9,00)
10	.624/(15,85)	.472/(12,00)
12	.742/(18,85)	.591/(15,00)
14	.860/(21,85)	.709/(18,00)
16	.978/(24,85)	.827/(21,00)
18	1.096/(27,85)	.945/(24,00)
20	1.215/(30,85)	1.063/(27,00)
22	1.333/(33,85)	1.181/(30,00)
24	1.451/(36,85)	1.299/(33,00)

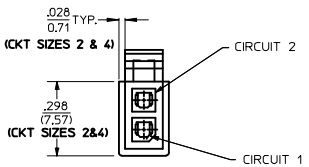
NOTES:

1) HOUSING MATERIAL:
   "A" - UNFILLED POLYESTER, RATED U.L. 94V-0, COLOR IS BLACK.
   "B" - UNFILLED NYLON, RATED U.L. 94V-0, HALOGEN-FREE, COLOR IS BLACK.
2) FINISH: N/A
3) PRODUCT SPECIFICATION: PS-43045
4) PACKAGING SPECIFICATION: PK-43025-001
5) THIS RECEPTACLE MATES WITH 43020, 43045.
6) THIS RECEPTACLE TO BE USED WITH MOLEX FEMALE TERMINAL SERIES 43030 OR 46235. SEE SECTION "A"-"A" FOR TERMINAL ORIENTATION IN HOUSING.
7) FOR OVERMOLDING PARAMETERS SEE ENGINEERING SPECIFICATION #SDES-43025-1000.
8) TOP PULL TABS ARE NOT AVAILABLE ON 2 AND 4 CIRCUIT PARTS.
9) MOLEX RECOMMENDS THE USE OF MICRO-FIT TEST PLUG, SERIES NO. 44242-**** WHENEVER TESTING IS PERFORMED. TEST PLUGS MUST NOT BE USED FOR MAKE OR BREAK UNDER LOAD. MOLEX DOES NOT RECOMMEND USING STANDARD MATING COMPONENTS FOR HARNESS TESTING PURPOSES.
10) SOME HOUSINGS MAY HAVE A SMALL GATE BLEMISH NEAR THE GATE THAT DOES NOT AFFECT FUNCTIONALITY.
11) HOUSINGS HAVE EITHER AN IDENTIFIER RIB OR ENGRAVED "1" SYMBOL TO INDICATE CIRCUIT #1. INDENTIFIER TYPE IS TOOL DEPENDENT AND NOT SELECTABLE.
12) DIMENSION 'A' MEASURED AT DATUM -A-
13) THIS PART CONFORMS TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

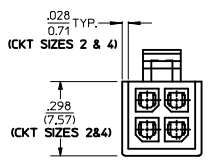


HOUSING SHOWN WITH FIRST CIRCUIT IDENTIFIER RIB
(SEE NOTE #11)

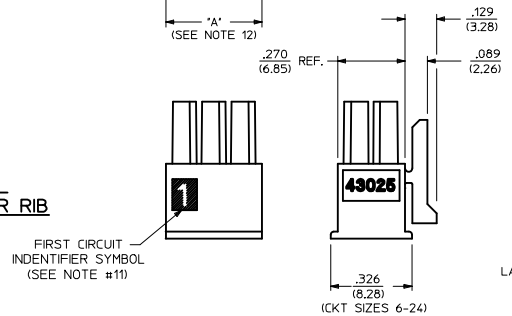


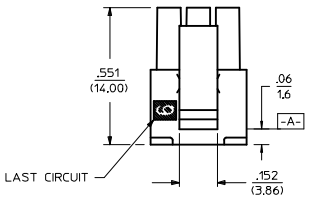


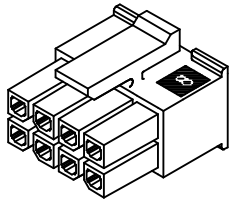
2 CIRCUIT HOUSING



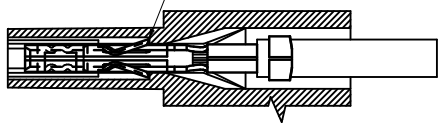
4 CIRCUIT PULL TAB GEOMETRY



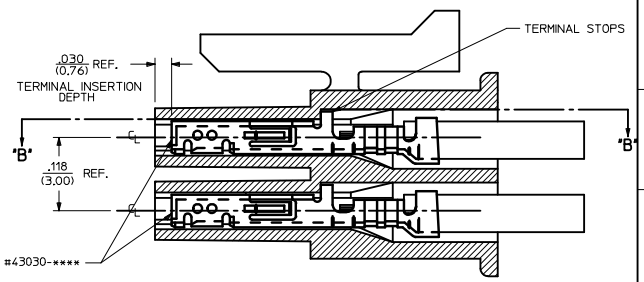




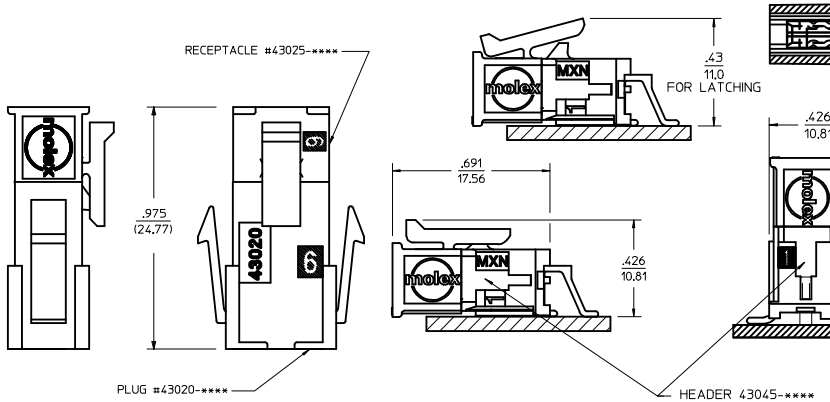
RECEPTACLE
ISO VIEW
(8 CIRCUIT SHOWN)
(SEE NOTE 9 FOR TESTING)



SECTION "B"-"B"
(SCALE 10:1)



SECTION "A"-"A"
WITH TERMINAL
(SCALE 10:1)



MATED MICRO-FIT CONNECTOR

REV	DESCRIPTION	DATE	DRWN	CHKD	APPR
04	ADD MATED VIEW EC NO: UCP2016-4677	2016/06/03 2016/06/03 2016/06/09	BAPPELDORN JDFOX FSMITH		

QUALITY SYMBOLS: =0 =0 =0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .014
1 PLACE	± 0,35	± ---
0 PLACE	± ---	± ---

ANGULAR ±1/2°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE:
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	A.F.G. 1993/01/14
CHECKED BY	B.A.P. 1993/01/14
APPROVED BY	FSMITH 2016/05/02
MATERIAL NO.	SEE CHART
SIZE	D

TITLE: MICRO-FIT (3.0) 2 THRU 24 CIRCUIT RECEPTACLE

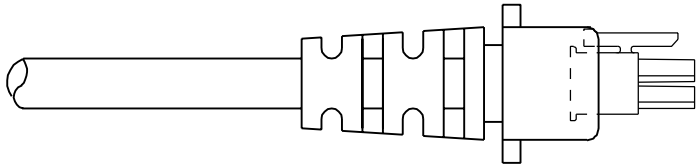
molex

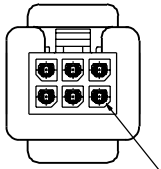
DOCUMENT NO.: SDA-43025-****
SHEET NO.: 1 OF 1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

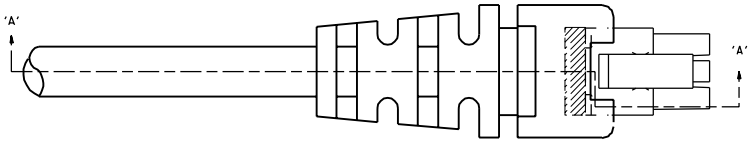
NOTES:

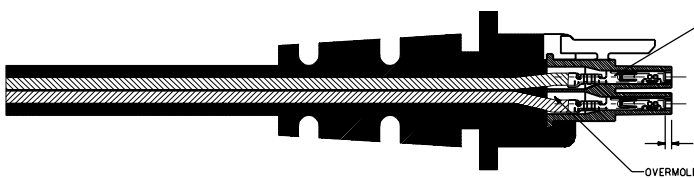
1) OVERMOLDED MATERIAL SHOULD NOT ENCAPSULATE THE TERMINAL IN AND AROUND THE WIRE CRIMP AREA.
2) TERMINALS MUST BE CENTERED AND PERPENDICULAR INSIDE THE RECEPTACLE HOUSING BEFORE AND AFTER OVERMOLDING.
3) DEVICE USED TO CENTER TERMINALS MUST NOT EXCEED .020 SQUARE IN ORDER TO PREVENT TERMINAL DEFORMATION.
4) OVERMOLD TOOLING MUST NOT DAMAGE INTERNAL OR EXTERNAL FEATURES OF CABLE ASSEMBLY.
5) THE OVERMOLDING TEMPERATURES DURING PROCESSING MUST NOT EXCEED 328°F
6) REMOVAL OF CABLE ASSEMBLY FROM THE TOOLING MUST NOT IN ANY WAY DAMAGE THE SUPPLIED COMPONENTS.
7) MOLEX IS RESPONSIBLE ONLY FOR COMPONENTS SUPPLIED TO THE OVERMOLDER, BUT NOT FOR NONCONFORMANCES INDUCED DURING THE OVERMOLDING PROCESS, SUCH AS OVERMOLD MATERIAL IN THE CONTACT AREA, TERMINALS THAT ARE EITHER OUT OF CENTER OR LACK OF TERMINAL MOBILITY AFTER BEING OVERMOLDED, AND ANY DEFORMATION TO TERMINALS OR HOUSINGS IN GENERAL.





TERMINALS MUST BE CENTERED IN RECEPTACLE PRIOR TO OVERMOLDING





TERMINALS SHOULD BE FULLY SEATED (APPROXIMATELY .030/(0.76) FROM TOP OF SILOS) BEFORE OVERMOLDING

OVERMOLD MATERIAL SHOULD NOT PROCEED PASS WIRE CRIMP

SECTION 'A'-'A'

MFG.	SH.	REV.	LTR.	REVISIONS
			B	REVISED PER ECN# U5-0172 01/31/95 BAP
			A	REVISED PER ECN# U4-0730 06/23/94 BAP

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	±	
2 PLACE	±	
1 PLACE		±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REVISE ONLY ON CAD SYSTEM

TITLE: MICRO-FIT (3.0) OVERMOLDING SPECIFICATIONS

MOLEX INCORPORATED LISLE, ILL. 60532 USA

SHEET NO. 1 OF 1 | DATE 06/23/94

PART NO. NONE | DWG. NO. SDES-43025-1000

DWG. BY BAP | CHK'D BY BAP | APP'D BY RF | SCALE 4 : 1

FILE NAME ES43025A1.DGN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

DIV. | SIZE D