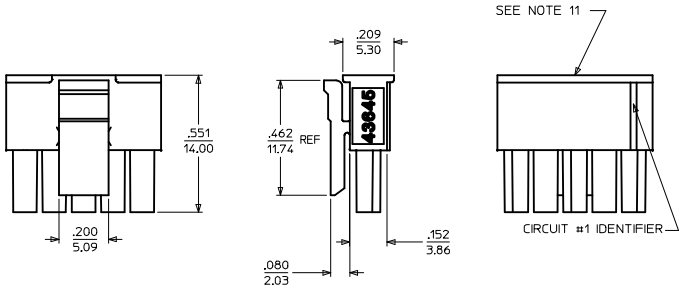
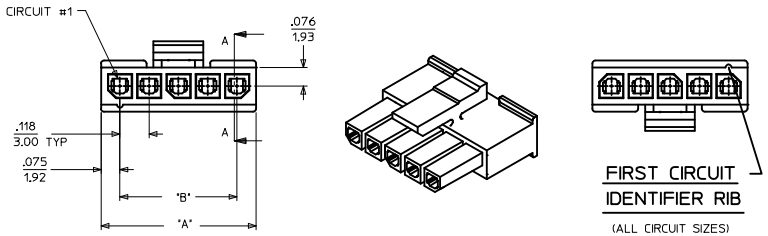
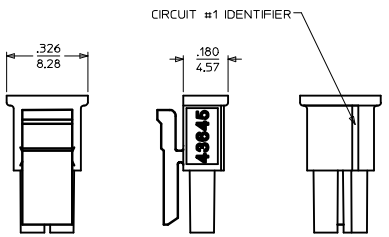


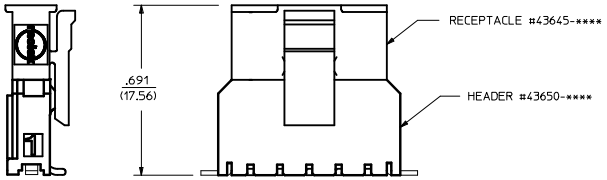


(3-12 CIRCUIT HOUSING)

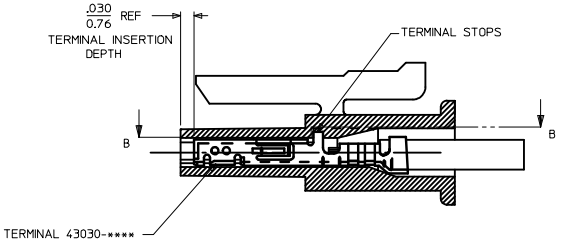


(2 CIRCUIT HOUSING)

ITEM NUMBER	NUMBER OF CIRCUIT	DIM. "A"	DIM. "B"	MATERIAL
43645-0200	02	SEE DETAIL	.118/(3.00)	"B"
43645-0300	03	.388/(9.85)	.236/(6.00)	
43645-0400	04	.506/(12.85)	.354/(9.00)	"A"
43645-0500	05	.624/(15.85)	.472/(12.00)	
43645-0600	06	.742/(18.85)	.591/(15.00)	
43645-0700	07	.860/(21.85)	.709/(18.00)	
43645-0800	08	.978/(24.85)	.827/(21.00)	
43645-0900	09	1.096/(27.85)	.945/(24.00)	
43645-1000	10	1.215/(30.85)	1.063/(27.00)	
43645-1100	11	1.333/(33.85)	1.181/(30.00)	
43645-1200	12	1.451/(36.85)	1.299/(33.00)	

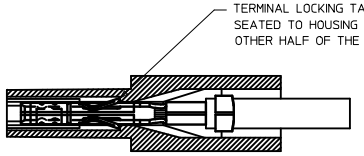


MATED MICRO-FIT CONNECTOR

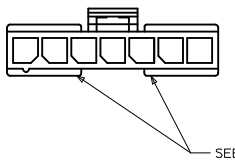


SECTION "A"-"A"

SHOWN WITH TERMINAL INSTALLED



SECTION "B"-"B"



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-43650
4. PACKAGING SPECIFICATION: PK-43645-001
5. THIS RECEPTACLE ACCEPTS MOLEX MICRO FIT FEMALE CRIMP TERMINALS ONLY, SEE MOLEX DRAWING SD-43030-**** FOR SPECIFICATIONS.
6. SEE SECTION "A"-"A" FOR TERMINAL ORIENTATION IN HOUSING.
7. FOR OVERMOLDING PARAMETERS SEE ENGINEERING SPECIFICATION #SDES-43025-1000.
8. THIS RECEPTACLE MATES WITH MOLEX PCB HEADER 43650 SERIES AND MOLEX PLUG 43640 SERIES (WIRE TO WIRE APPLICATIONS).
9. SOME HOUSINGS MAY HAVE A SMALL GATE BLEMISH NEAR THE GATE LOCATION THAT DOES NOT AFFECT FUNCTIONALITY.
10. MOLEX RECOMMENDS THE USE OF MICRO-FIT TEST PLUG, SERIES 44242-**** WHENEVER CONTINUITY TESTING IS PERFORMED. TEST PLUGS MUST NOT BE USED TO MAKE OR BREAK UNDER LOAD. MOLEX DOES NOT RECOMMEND USING STANDARD MATING COMPONENTS FOR HARNESS TESTING PURPOSES.
11. THIS RIB IS DISCONTINUOUS ON CIRCUIT SIZES 7 THROUGH 12
12. PART CONFORMS TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

ADD PK SPEC
EC NO: UCP2012-1450
DRWN:MMSTROH 2012/07/03
CHKD:SSOUSEK 2012/07/05
APPR:FSMITH 2012/07/09
DESCRIPTION
F2
REV

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: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

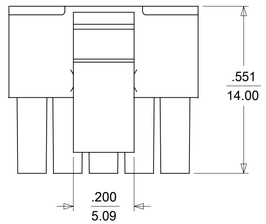
DRAWN BY: A.F.G. DATE: 1995/11/15
CHECKED BY: B.A.P. DATE: 1995/11/15
APPROVED BY: R.J.F. DATE: 1995/11/15

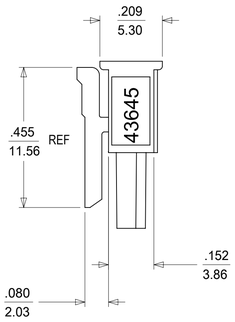
TITLE: MICRO-FIT (3.0) 2 THRU 12 SINGLE ROW RECEPTACLE

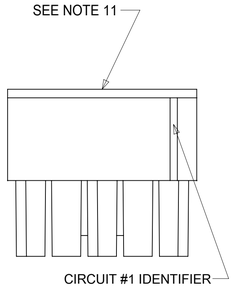
molex

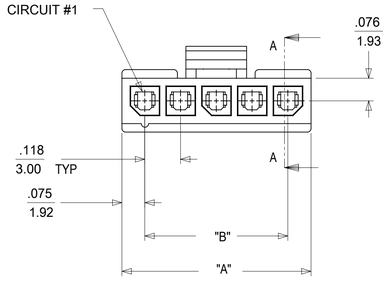
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-43645-****
SHEET NO.: 1 OF 1
SIZE: D

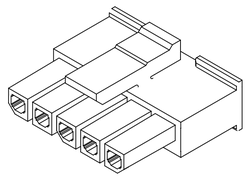
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

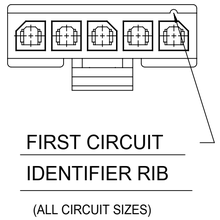




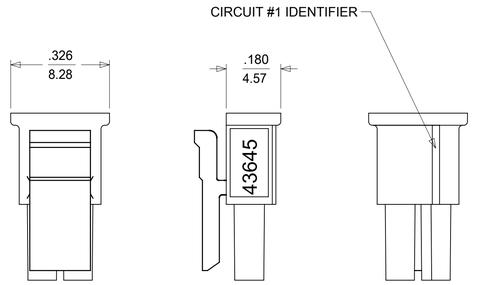






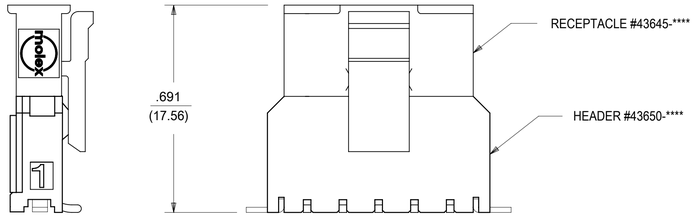


(3-12 CIRCUIT HOUSING)

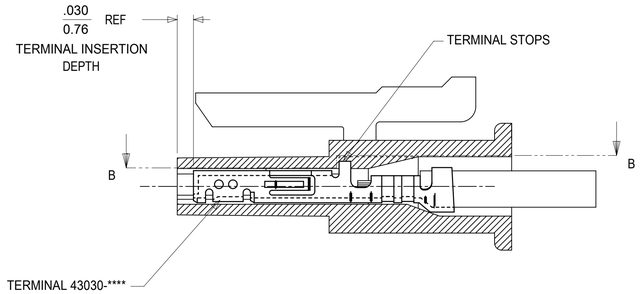


(2 CIRCUIT HOUSING)

ITEM NUMBER	NUMBER OF CIRCUIT	DIM. "A"	DIM. "B"	MATERIAL
43645-0200	02	SEE DETAIL	.118/(3.00)	"B"
43645-0300	03	.388/(9.85)	.236/(6.00)	
43645-0400	04	.506/(12.85)	.354/(9.00)	"A"
43645-0500	05	.624/(15.85)	.472/(12.00)	
43645-0600	06	.742/(18.85)	.591/(15.00)	
43645-0700	07	.860/(21.85)	.709/(18.00)	
43645-0800	08	.978/(24.85)	.827/(21.00)	
43645-0900	09	1.096/(27.85)	.945/(24.00)	
43645-1000	10	1.215/(30.85)	1.063/(27.00)	
43645-1100	11	1.333/(33.85)	1.181/(30.00)	
43645-1200	12	1.451/(36.85)	1.299/(33.00)	

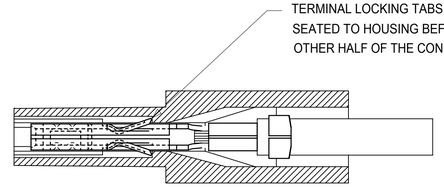


MATED MICRO-FIT CONNECTOR

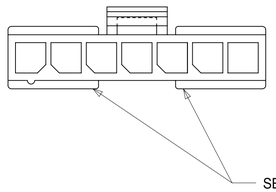


SECTION "A"-"A"

SHOWN WITH TERMINAL INSTALLED



SECTION "B"-"B"



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-43650
4. PACKAGING SPECIFICATION: PK-43645-001
5. THIS RECEPTACLE ACCEPTS MOLEX MICRO FIT FEMALE CRIMP TERMINALS SERIES 43030 OR 46235, SEE MOLEX DRAWING SD-43030-**** OR SD-46235-001 FOR SPECIFICATIONS.
6. SEE SECTION "A"-"A" FOR TERMINAL ORIENTATION IN HOUSING.
7. FOR OVERMOLDING PARAMETERS SEE ENGINEERING SPECIFICATION #SDES-43025-1000.
8. THIS RECEPTACLE MATES WITH MOLEX PCB HEADER 43650 SERIES AND MOLEX PLUG 43640 SERIES (WIRE TO WIRE APPLICATIONS).
9. SOME HOUSINGS MAY HAVE A SMALL GATE BLEMISH NEAR THE GATE LOCATION THAT DOES NOT AFFECT FUNCTIONALITY.
10. MOLEX RECOMMENDS THE USE OF MICRO-FIT TEST PLUG, SERIES 44242-**** WHENEVER CONTINUITY TESTING IS PERFORMED. TEST PLUGS MUST NOT BE USED TO MAKE OR BREAK UNDER LOAD. MOLEX DOES NOT RECOMMEND USING STANDARD MATING COMPONENTS FOR HARNESS TESTING PURPOSES.
11. THIS RIB IS DISCONTINUOUS ON CIRCUIT SIZES 7 THROUGH 12
12. PART CONFORMS TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

RELEASE STATUS	P1	RELEASE DATE	14.11.2017 23:04:09

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

QUALITY SYMBOLS
E = 0
E = 0
E = 0
▼ = 0
▽ = 0
☒ = 0
■ = 0
▽ = 0

CORRECT LATCH DIM
EC NO: 168060 2017/11/14
DRWN: AZAHIROVIC 2017/11/14
CHK'D: SSOUSEK 2017/11/14
APPR: FSMITH 2017/11/14
REV F3

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.01
2 PLACES	± 0.25	± 0.014
1 PLACES	± 0.35	±
0 PLACES	±	±

ANGULAR TOL ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: IN/MM
SCALE: 4:1
DRWN BY: A.F.G DATE: 1995/11/15
CHK'D BY: B.A.P DATE: 1995/11/15
APPR BY: R.J.F DATE: 1995/11/15
DRAWING SIZE: D
THIRD ANGLE PROJECTION

molex®

MICRO-FIT (3.0) RECEPTACLE, SINGLE ROW
2 THRU 12 CIRCUIT

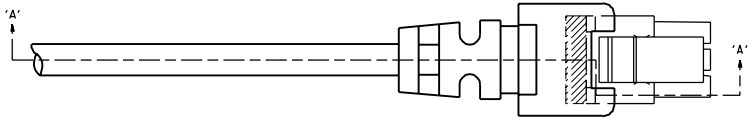
PRODUCT CUSTOMER DRAWING

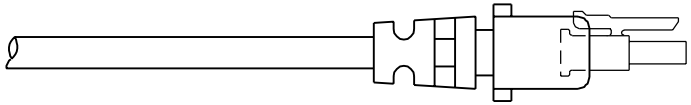
SERIES	MATERIAL NUMBER	CUSTOMER
43645	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SDA-43645-++++	PSD	001	1 OF 1

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.





SECTION 'A'-'A'

MFG.	SH.	REV.	LTR.	REVISIONS
			A	FINAL RELEASE ECN# U6-1019 96-02-26 A.GUZIK

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

▽ : 0 ▼ : 0 REVISE ONLY ON CAD SYSTEM

TITLE: MICRO-FIT (3.0) SINGLE ROW OVERMOLDING SPECIFICATIONS

MOLEX INCORPORATED LISLE, ILL. 60532 U.S.A.

SHEET NO. 1 OF 1 DATE 02/26/96

PART NO. NONE DRWG. NO. SDES-43645-1000

DRWG. BY AFG CHK'D BY BAP APP'D BY RJF SCALE 4 : 1

FILE NAME E5436451.DGN

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

DIV. CP SIZE D