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Home   Crimp Housings   Datasheet

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Part Number: 0430201200

Status: Active   **Overview: Micro-Fit, 3.0™**

Description: 3.00mm (.118") Pitch Micro-Fit 3.0™ Plug Housing, Dual Row, with Panel Mount Ears, 12 Circuits

Documents:
Note - Please disable browser pop-up blockers for documents on www.molex.com

Drawing (PDF)   Product Specification PS-43045 (PDF)

3D Model   Product Literature (PDF)

Related Catalog Page (PDF)
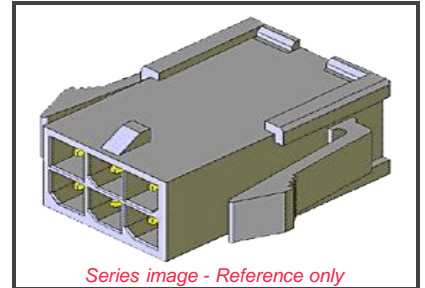
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Part Detail: (show all)

General   Physical   Electrical   Material Info

General

Product Family	Crimp Housings
Series	43020
Comments	Glow Wire Equivalent Part Number 430201208
Overview	Micro-Fit, 3.0™
Product Name	Micro-Fit 3.0™

Physical

Circuits (maximum)	12
Circuits Detail	12
Color - Resin	Black
Flammability	94V-0
Gender	Male
Lock to Mating Part	Yes
Material - Resin	Polyester
Number of Rows	2
Packaging Type	Bag
Panel Mount	Yes
Pitch - Mating Interface (in)	0.118 In
Pitch - Mating Interface (mm)	3.00 mm
Pitch - Term. Interface (in)	0.118 In
Pitch - Term. Interface (mm)	3.00 mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40°C to +105°C

Electrical

CSA	LR19980
TUV	R9650433
UL	E29179

Material Info

Series image - Reference only

EU RoHS   **China RoHS**
ELV and RoHS Compliant

Need more information on product compliance?

Email **productcompliance@molex.com**

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Search Parts in this Series
43020 Series

Mates With
43025 Micro-Fit 3.0™ Receptacle Housing

Use With
Micro-Fit 3.0™ Crimp Terminal, Male

Reference - Drawing Numbers

Product Specification   PS-43045
Sales Drawing   SDA-43020-****

ASSEMBLY ITEM NUMBER	PART CHARACTERISTICS	
	NUMBER OF POSITION	PANEL MOUNT OPTION
43020-0200	02	YES
43020-0201	02	NO
43020-0400	04	YES
43020-0401	04	NO
43020-0600	06	YES
43020-0601	06	NO
43020-0800	08	YES
43020-0801	08	NO
43020-1000	10	YES
43020-1001	10	NO
43020-1200	12	YES
43020-1201	12	NO
43020-1400	14	YES
43020-1401	14	NO
43020-1600	16	YES
43020-1601	16	NO
43020-1800	18	YES
43020-1801	18	NO
43020-2000	20	YES
43020-2001	20	NO
43020-2200	22	YES
43020-2201	22	NO
43020-2400	24	YES
43020-2401	24	NO

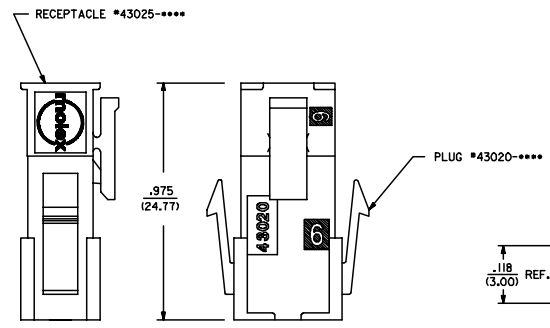| CKT. NO.	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"
2	.152/(3.86)	N/A	.166/(4.21)	.311/(7.90)
4	.270/(6.85)	.118/(3.00)	.284/(7.21)	.429/(10.90)
6	.388/(9.85)	.236/(6.00)	.402/(10.21)	.547/(13.89)
8	.506/(12.85)	.354/(9.00)	.520/(13.21)	.665/(16.89)
10	.624/(15.85)	.472/(12.00)	.638/(16.21)	.783/(19.89)
12	.742/(18.85)	.591/(15.00)	.756/(19.21)	.901/(22.89)
14	.860/(21.85)	.709/(18.00)	.874/(22.20)	1.019/(25.88)
16	.978/(24.85)	.827/(21.00)	.992/(25.20)	1.137/(28.88)
18	1.096/(27.85)	.945/(24.00)	1.110/(28.20)	1.255/(31.88)
20	1.215/(30.85)	1.063/(27.00)	1.229/(31.22)	1.373/(34.87)
22	1.333/(33.85)	1.181/(30.00)	1.347/(34.22)	1.491/(37.87)
24	1.451/(36.85)	1.299/(33.00)	1.465/(37.22)	1.609/(40.87)
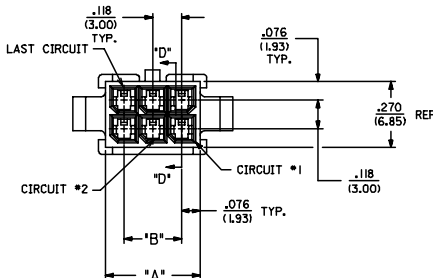
NOTES:
1) HOUSING MATERIAL: UNFILLED POLYESTER (PBT), UL 94V-0 COLOR - BLACK
2) PRODUCT SPECIFICATION: PS-43045
3) THIS HOUSING MATES WITH MICRO-FIT RECEPTACLE #43025-****
4) THIS HOUSING TO BE USED WITH MOLEX MALE TERMINAL #43031-****
5) DESIGNED FOR .055/(1.4) MINIMUM TO A .100/(2.54) MAXIMUM THICK PANEL OR PRINTED CIRCUIT BOARD.
6) SEE SECTION "D"-"D" FOR TERMINAL ORIENTATION IN HOUSING.
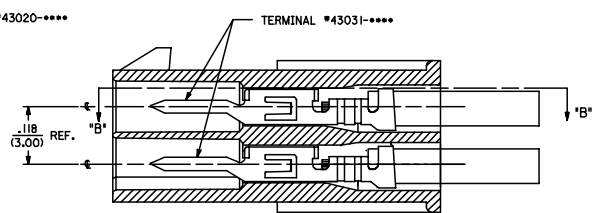7) PANEL MOUNT FEATURES MUST LOCK ON SIDE OPPOSITE PUNCH SIDE FOR OPTIMUM RETENTION.

.118 (3.00) TYP.
.076 (1.93) TYP.
.270 (6.85) REF.
LAST CIRCUIT
"D"
.118 (3.00)
CIRCUIT #1
CIRCUIT #2
"D"
.076 (1.93) TYP.
"B"
"A"

.078±.008 (1.98±0.20)
.160±.004 (4.06±0.10)
"E" "E"
.280±.004 (7.11±0.10)
.343±.008 (8.71±0.20)
DIM. "C" ±.004 (±0.10)
DIM. "D" +.002 -.004 (+0.05 -0.10)
SEE NOTE 7
.007 (0.18) R.MAX.
PUNCH SIDE
SECTION "E"-"E"
(NO SCALE)
RECOMMENDED PANEL CUT-OUT

.270±.005 (6.85±0.13)
.055±.005 (1.40±0.13) (2 PLCS)
.140 (3.56)
.665 REF. (16.89)
.116 (2.95)
.335 (8.51)

molex
1
FIRST CIRCUIT

.055 (1.40)
43020
6
OPTIONAL PANEL MOUNTS
LAST CIRCUIT

PLUG WITH OPTIONAL PANEL MOUNTS
ISO VIEW
(8 CIRCUIT SHOWN)

.079 (2.00) REF.
TERMINAL INSERTION DEPTH
TERMINAL LOCKING TABS MUST BE FULLY SEATED TO HOUSING BEFORE MATING WITH OTHER HALF OF CONNECTOR SYSTEM.
TERMINAL STOPS
SECTION "B"-"B"
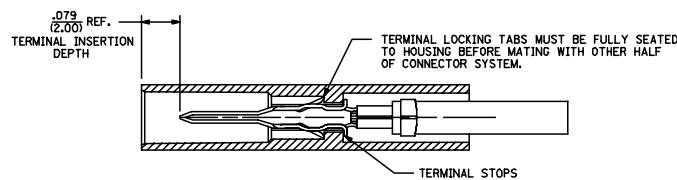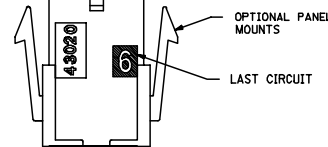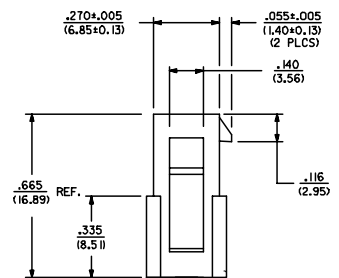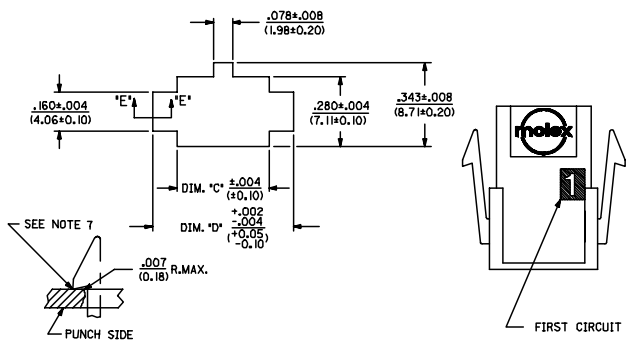
RECEPTACLE #43025-****
.975 (24.77)
molex
43020
6
MATED MICRO-FIT CONNECTOR

PLUG #43020-****
TERMINAL #43031-****
.118 (3.00) REF.
"B"
"B"
SECTION "D"-"D"
WITH TERMINAL
(SCALE: 8X)

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY AFG	DATE 1993/01/07	TITLE	
▽=0	4 PLACES	±---	±---			MICRO-FIT(3.0) 2 THRU 24 CIRCUIT PLUG WITH OPTIONAL PANEL MOUNTS	
	3 PLACES	±---	±.010	CHECKED BY BAP	DATE		
▽=0	2 PLACES	±0.25	±.014				
	1 PLACE	±0.35	±---	APPROVED BY RAS	DATE 1993/01/07	molex MOLEX INCORPORATED	
	ANGULAR ±1/2°						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO. SEE CHART	DOCUMENT NO. SDA-43020-****		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		