

FEATURES AND SPECIFICATIONS

Features and Benefits

- Wire-to-wire plug
- Terminal Position Assurance (TPA) allows the terminal to be fully seated in the housing assuring that it will not back out during high vibration applications
- TPA key is sold individually to meet customer-specific needs
- Optional snap-on ears for panel mounting
- Contrasting color (white) TPA/CPA for high visibility

Reference Information

Product Specification: PS-5556-0003
 Packaging: Tray and bag
 UL File No.: E29179
 CSA File No.: LR19980
 TUV License No.: R75142
 Use With: Standard Mini-Fit terminals
 Mates With: [30067](#) housing
 Designed In: Millimeters

Mechanical

Contact Insertion Force: 1.5kg max.
 Contact Retention to Housing: 3.0kg min.
 Wire Pull-Out Force: 9.0kg min.
 Mating Force: 0.7kg (1.54 lb) max.
 Unmating Force: 0.35kg (0.7 lb) min.
 Normal Force: 200g min.
 Durability: 30 cycles

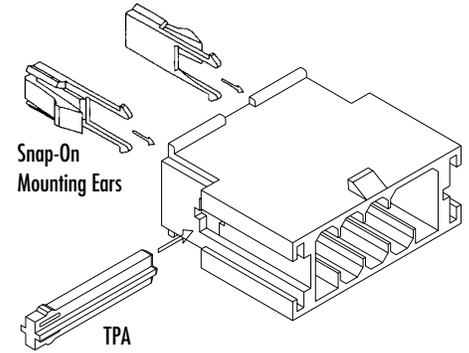
Physical

Housing: Black polyester, UL 94V-0
 Contact: Brass or Phosphor Bronze
 Plating: Tin, select Gold and overall Gold
 Operating Temperature: -40 to +105°C

molex® 4.20mm (.165") Pitch Mini-Fit, TPA™ Plug

30068

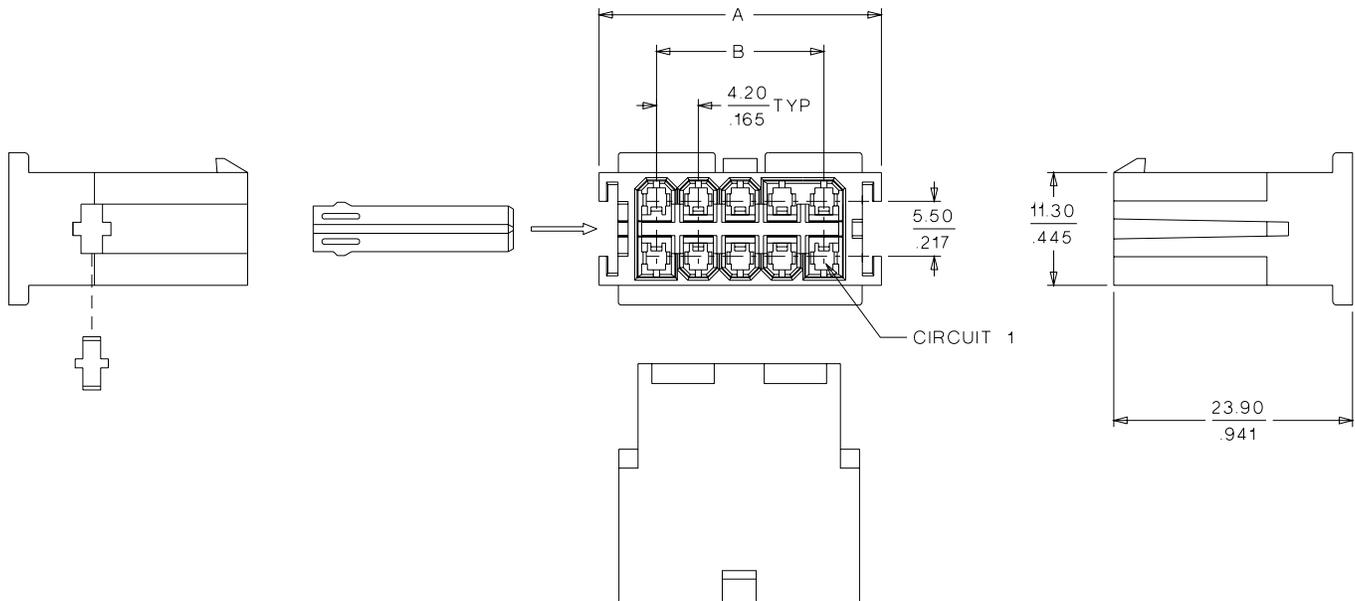
Dual Row with Secondary Terminal Retention



Power Connectors

F

CATALOG DRAWINGS (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Plug Order No.	Terminal Position Assurance	Dimension		Snap-on Panel Mounting Ears 43130
			A	B	
2	• 15-97-6021*	• 15-97-9041†	11.86 (.467)		43130-0001‡
4	• 15-97-6041	• 15-97-9041	11.86 (.467)	8.01 (.315)	
6	• 15-97-6061	• 15-97-9061	16.08 (.633)	12.21 (.481)	
8	• 15-97-6081	• 15-97-9081	20.27 (.798)	16.41 (.646)	
10	• 15-97-6101	• 15-97-9101	24.26 (.963)	20.61 (.811)	
12	• 15-97-6121	• 15-97-9121	28.68 (1.129)	24.81 (.977)	
16	• 15-97-6161	• 15-97-9161	37.06 (1.459)	33.21 (1.307)	

• US Standard Product, available through Molex franchised distributors

* Receptacles have side pull tabs for use with strain reliefs

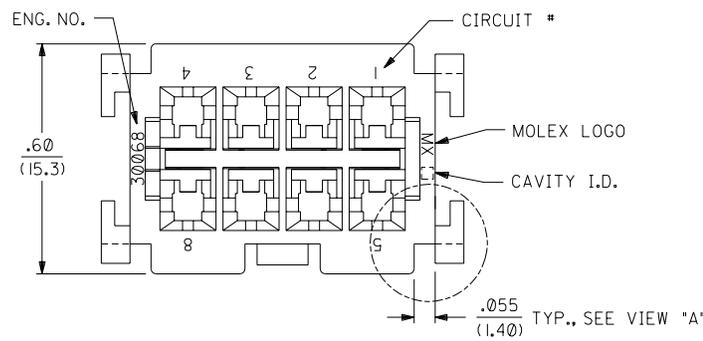
† The same TPA is used for both the 2 and 4 circuit plugs

‡ Two required per plug

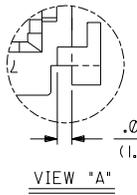
CKT. SIZE	ENG. NO.	EDP. NO.	DIM. "A" REF.	DIM. "B"
2	30068-2	15-97-6021	----	.467 (11.86)
4	30068-4	15-97-6041	.165 (4.20)	.467 (11.86)
6	30068-6	15-97-6061	.331 (8.40)	.633 (16.08)
8	30068-8	15-97-6081	.496 (12.60)	.798 (20.27)
10	30068-10	15-97-6101	.661 (16.80)	.963 (24.46)
12	30068-12	15-97-6121	.827 (21.00)	1.129 (28.68)
14	30068-14	NOT TOOLED	.992 (25.20)	1.294 (32.87)
16	30068-16	15-97-6161	1.157 (29.40)	1.459 (37.06)

SEE SHT. 2 FOR 18 THRU 24 CKT'S.

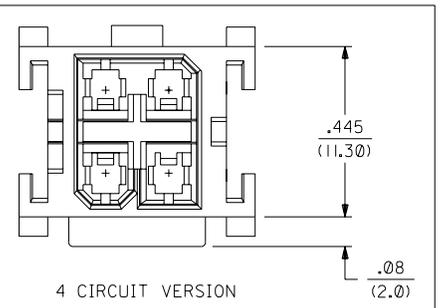
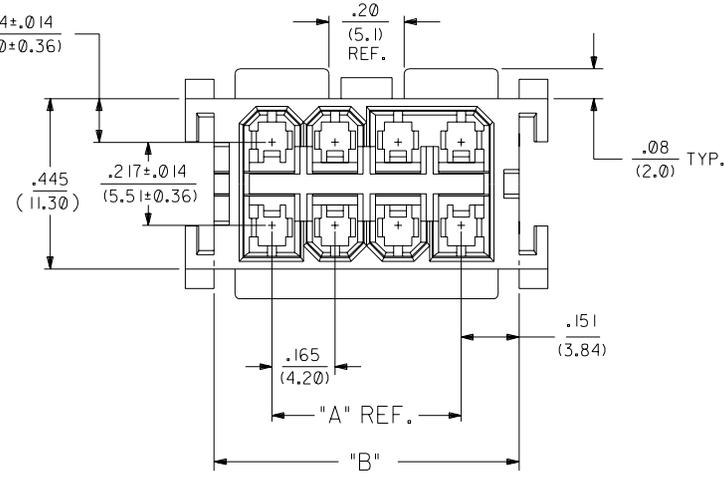
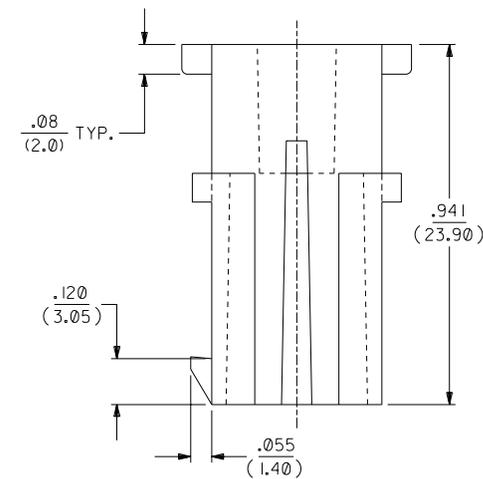
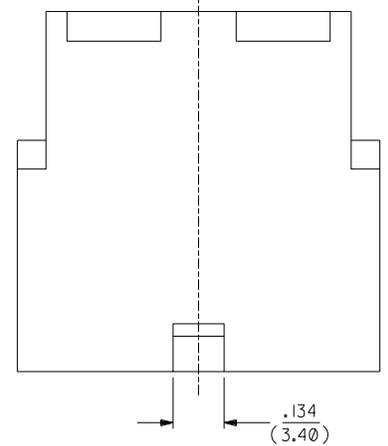
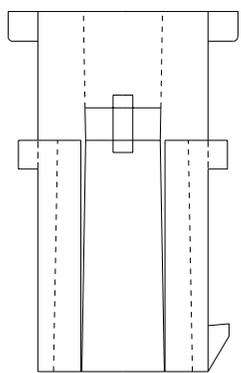
- NOTES:**
- MATERIAL: UNFILLED POLYESTER, U.L. 94V-0.
 - COLOR: MOLDED BLACK.
 - HOUSING TO BE USED WITH TERMINAL #5558.
 - HOUSING MATES WITH RECEPTACLE #30067.
 - PRODUCT SPECIFICATION: PS-5556-003.
 - 2 THRU 10 AND 14 THRU 24 CKT. HOUSING TO BE USED WITH T.P.A. NO. 30072-*. 12 CKT. HOUSING TO BE USED WITH T.P.A. NO. 43568-12*. REFER TO DRAWING SDMS-30068-1* FOR ADDITIONAL INFORMATION.



LEGEND:
CIRCUIT SIZE 30068 - *
(2-24)



.04 (1.0) ON 6, 12 & 16 CKT. PARTS ONLY.

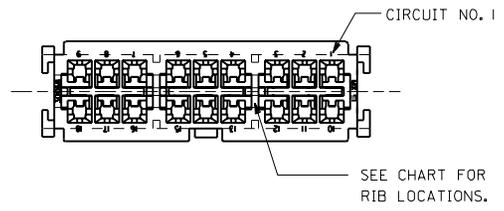


SEE SHT. #3 FOR PARTS WITH MOUNTING EARS

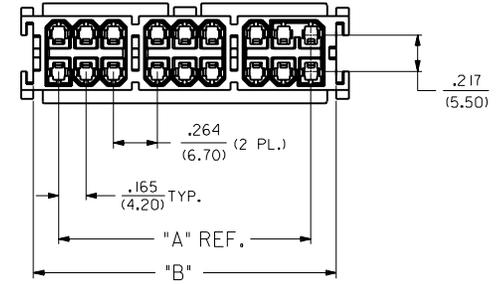
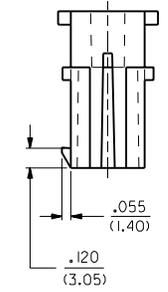
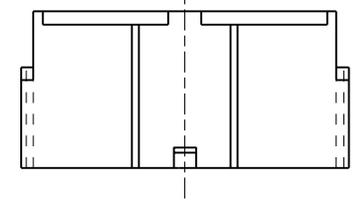
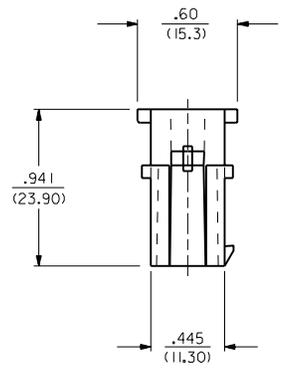
R	REV. PS NOTE UCP2003-0367 8/30/2002 SAMIEC
PI	REVISED UCR1999-0714 99/04/21 L.MOSLEY
P	REV. NOTE 3 ECN U60862 CEP 1-23-96
O	ADD PANEL STOPS ECN U31617 CEP 11-1-93
NI	REV. NOTE 2 ECN U30660 CEP 4-29-93
N	REV. PULL TABS ECN U30510 CEP 4-1-93
M2	ADDED 4 CKT. VIEW PER ECN U30319 CEP 3-1-93
MI	ADDED DIM'S. PER ECR U21086 7-23-92 RJF
M	REV. MATERIAL PER ECR U20139 CEP 4-14-92 RJF
L	REMOVED .182 ECR U20278 CEP 2-12-92 RJF
K	ADDED 18-24 CKT'S ECN U20035 CEP 1-14-92 RJF
J	INCR. PULL TABS ECR U20000 1-7-92 RJF
H	ADD COLOR OPTION ECN U12041 10-17-91 RJF
G	REV. PROD. SPEC. ECN U11690 CEP 8-15-91 RJF
F	REVISED DWG. PER ECN # U00033 TGP/DMF 1-22-90
E	REDRAWN ON CAD PER ECR # U90961 TGP/DMF 10-26-89

DIMENSIONS SHOWN (METRIC) INCH		▽ = 0 ▽ = 0		REVISION ONLY ON CAD SYSTEM	
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°					
INCH		METRIC			
3 PLACE	± .010	---			
2 PLACE	± .014	± 0.25			
1 PLACE	---	± 0.36			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
DRWG. BY: DMF	CHK'D. BY: TGP	SCALE: 4:1	FILE NAME: 530068.DGN	TITLE: MINI-FIT T.P.A. PLUG HOUSING 2 THRU 24 CIRCUITS, WITH OR WITHOUT MOUNTING EARS.	DATE: 10/26/89
APPR'D. BY: SC	SCALE: 4:1	SEE CHART		SD-30068-*	
MFG, SH, REV, LTR, REVISIONS			SHEET NO. 1 OF 3		
MFG, SH, REV, LTR, REVISIONS			SHEET NO. 1 OF 3		
MFG, SH, REV, LTR, REVISIONS			SHEET NO. 1 OF 3		

CKT. NO.	ENG. NO.	PART NO.	DIM. "A"	DIM. "B"	RIBS LOCATED BETWEEN CKT'S.
J 18	30068-18	NOT TOOLED	1.520 (38.60)	1.822 (46.28)	3,4 & 6,7
20	30068-20	NOT TOOLED	1.685 (42.80)	1.987 (50.46)	3,4 & 7,8
I 22	30068-22	NOT TOOLED	1.850 (47.00)	2.152 (54.66)	4,5 & 7,8
24	30068-24	NOT TOOLED	2.016 (51.20)	2.318 (58.88)	4,5 & 8,9
SEE SHT. I FOR 2 THRU 16 CKT'S.					

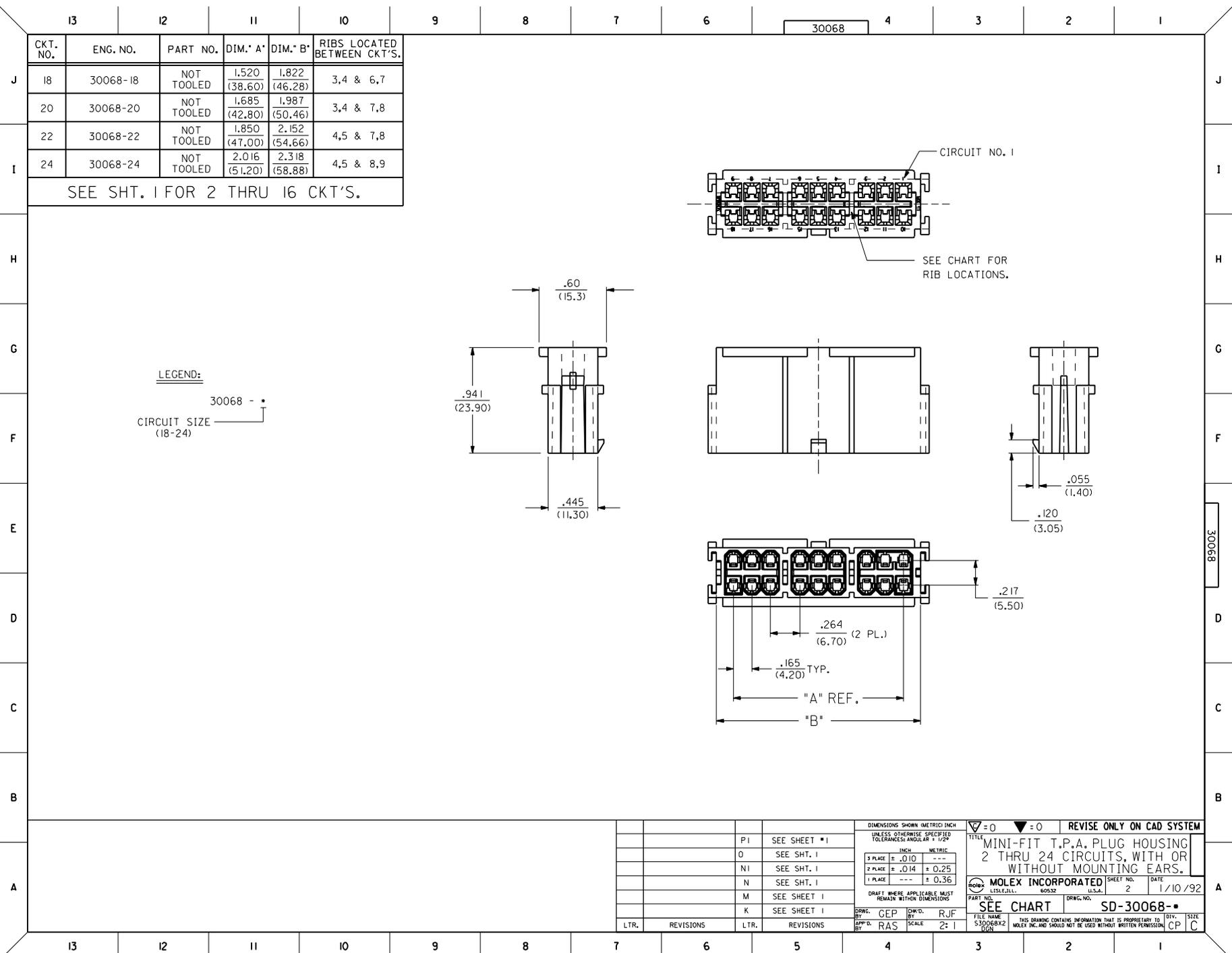


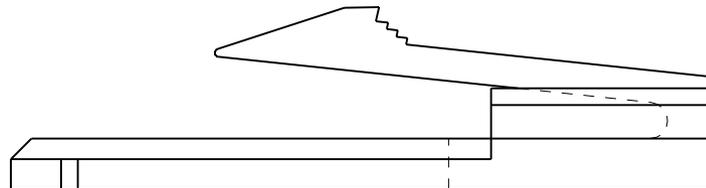
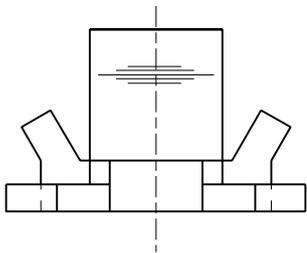
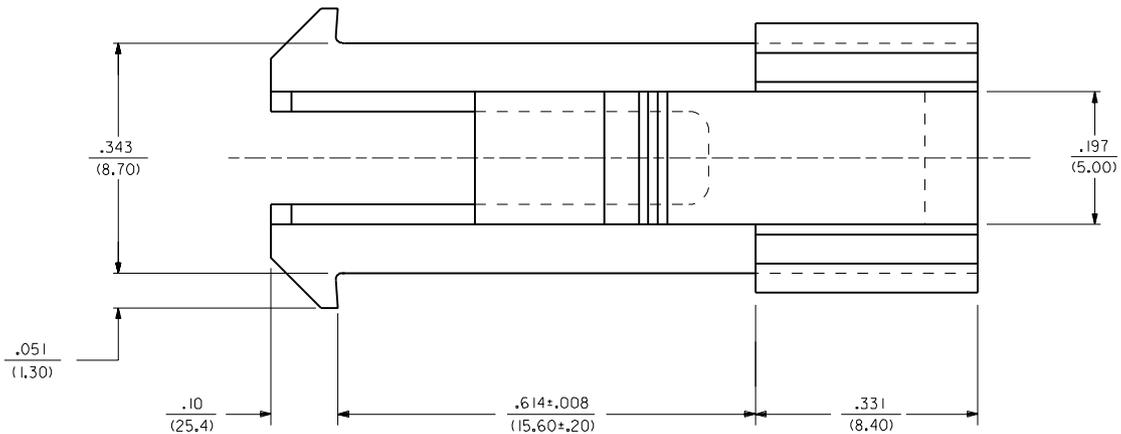
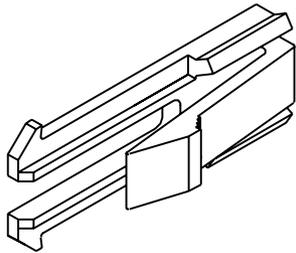
LEGEND:
 30068 - •
 CIRCUIT SIZE (18-24)



30068

DIMENSIONS SHOWN (METRIC) INCH		▽ = 0 ▽ = 0		REVISE ONLY ON CAD SYSTEM	
UNLESS OTHERWISE SPECIFIED TOLERANCES ANGULAR ± 1/2°					
INCH		METRIC		TITLE	
3 PLACE	± .010	---	---	MINI-FIT T.P.A. PLUG HOUSING	
2 PLACE	± .014	± 0.25	---	2 THRU 24 CIRCUITS, WITH OR	
1 PLACE	---	± 0.36	---	WITHOUT MOUNTING EARS.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
DRWG. BY	CEP	CHK'D. BY	RJF	PART NO.	SD-30068-•
APP'D. BY	RAS	SCALE	2:1	FILE NAME	530068X2.DGN
LTR.	REVISIONS	LTR.	REVISIONS	SHEET NO.	2
				DATE	1/10/92





NOTES:

- 1) MATERIAL: UNFILLED POLYESTER, U.L. 94V-0, COLOR: BLACK.
- 2) PART IS FOR USE WITH PLUG HOUSING 30068.

LTR.		REVISIONS		LTR.		REVISIONS		DIMENSIONS SHOWN (METRIC) INCH		TITLE		MFG. SH. REV.	
								UNLESS OTHERWISE SPECIFIED: TOLERANCES: ANGULAR ± 0° 50'		▽ = 0	▼ = 0	REVISE ONLY ON CAD SYSTEM	
								INCH METRIC		MOUNTING EAR FOR PLUG HOUSING. (MINI-FIT TPA SERIES)		SHEET NO. DATE	
								3 PLACE ± .010	---	MOLEX INCORPORATED		1 OF 1 10/13/92	
								2 PLACE ± .015	± .25	LITSEJLL-60532		U.S.A.	
								1 PLACE ---	± .38	PART NO. DRWG. NO.		SD-43130-0001	
								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		43130-0001		SD-43130-0001	
								DRW. BY: RJF	CHKD. BY: RJF	FILE NAME: S43130X1		DIV. SIZE	
								APP'D. BY: RAS	SCALE: 8:1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		CP C	

43130

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