

## FEATURES AND SPECIFICATIONS

## Features and Benefits

- High current
- Fully polarized
- Positive locks
- Low engagement force
- Wire-to-wire, wire-to-board (vertical only)
- Mandatory 43980 Series Terminal Position Assurance (TPA) clip

## Reference Information

Product Specification: PS-42815-001

Packaging: Bag

UL File No.: E29179

CSA File No.: LR19980

TUV License No.: R9751144

Mates With: [43938](#) plug housing and [43915](#) headerUse With: [42815](#) female terminal

Designed In: Millimeters

## Electrical

Voltage: 600V

Current: 43.0A max\*

Insulation Resistance: 1000MΩ min.

Dielectric withstanding voltage: 2200V

## Mechanical

Contact Insertion Force: 29.4N max.

Contact Retention to Housing: 98.1N min.

## Physical

Housing: Polyester, UL 94V-0

Operating Temperature: -40 to +105°C

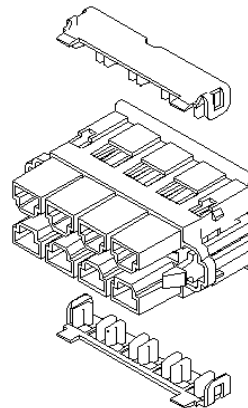
\* Depending on circuit size, wire gauge and PCB. Please refer to product specification.



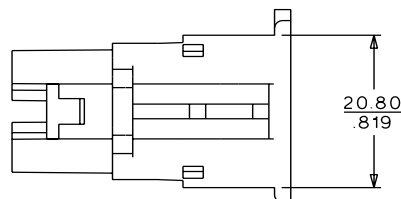
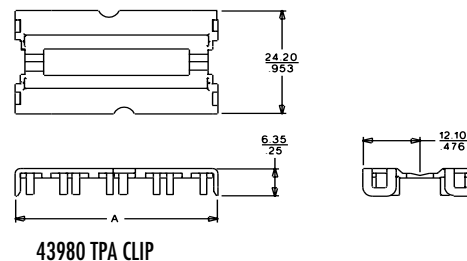
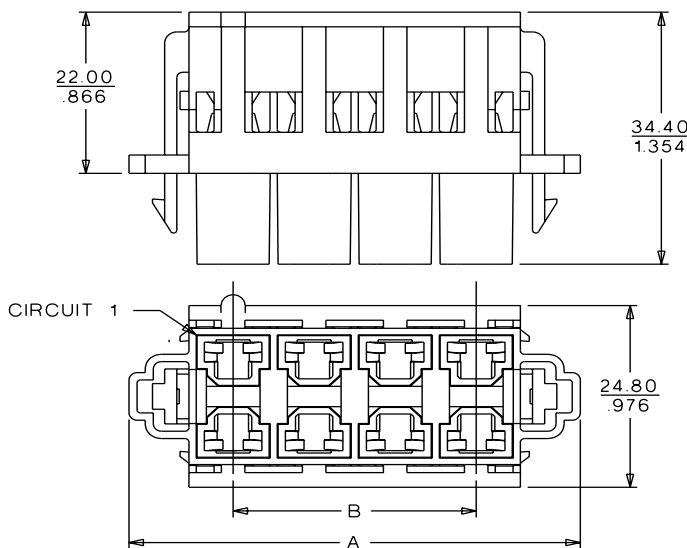
# 10.00mm (.393") Pitch Mini-Fit, Sr.<sup>TM</sup> Receptacle and TPA Clip

43914/43980

Dual Row



## CATALOG DRAWING (FOR REFERENCE ONLY)



## ORDERING INFORMATION AND DIMENSIONS

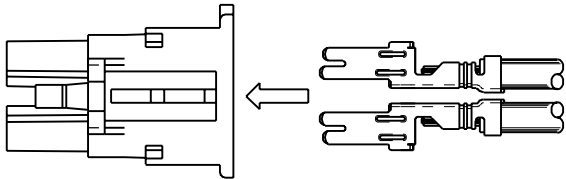
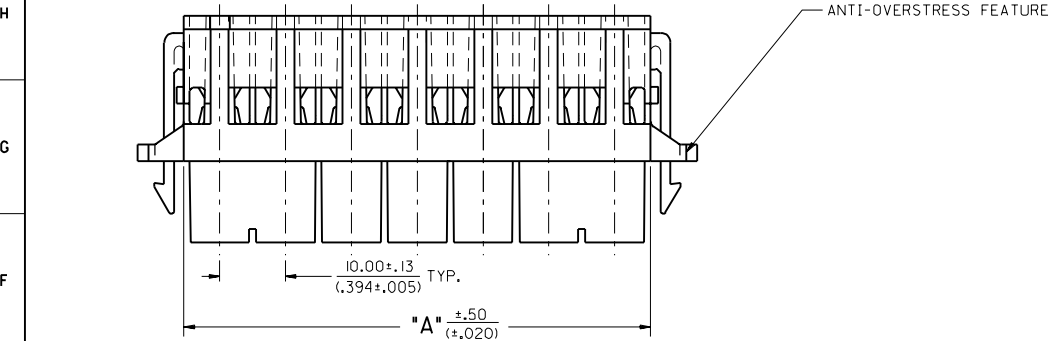
Dual Row Receptacles			
Circuits	Order No.	Dimension	
		A	B
6	43914-1101	45.70 (1.799)	20.00 (.787)
8	43914-1102	55.70 (2.193)	30.00 (1.181)
10	43914-1103	65.70 (2.587)	40.00 (1.575)
12	43914-1104	75.70 (2.980)	50.00 (1.969)
14	43914-1105	85.70 (3.374)	60.00 (2.362)

TPA		
Circuits	Order No.	Dimension A
6	43980-1001	31.30 (1.232)
8	43980-1002	41.30 (1.626)
10	43980-1003	51.30 (2.020)
12	43980-1004	61.30 (2.413)
14	43980-1005	71.30 (2.807)

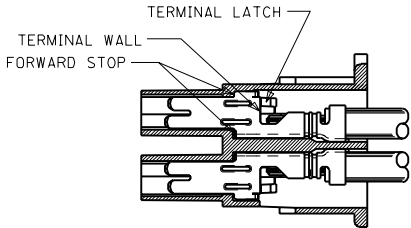
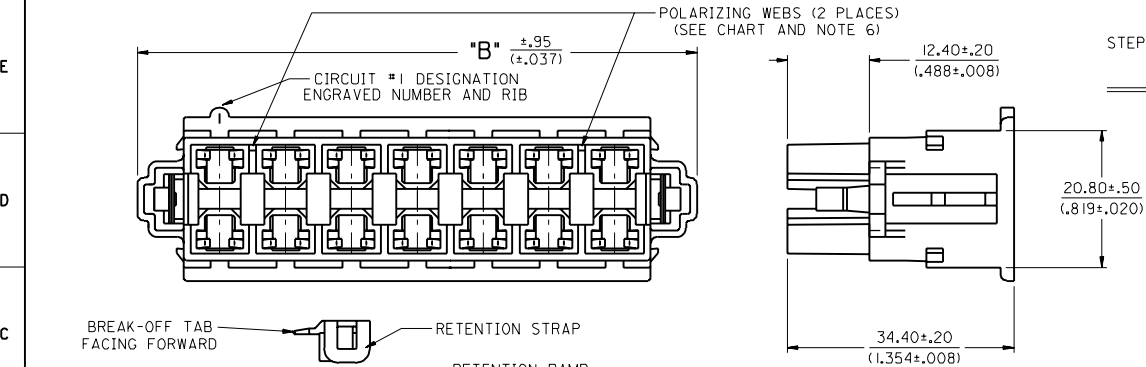
MATERIAL NUMBER	CIRCUITS	DIM. "A"	DIM. "B"	POLARIZING WEBS	
				PRESENT	QTY.
43914-1001	6	30.90/(1.217)	45.70/(1.799)	NO	0
43914-1002	8	40.90/(1.610)	55.70/(2.193)	NO	0
43914-1003	10	50.90/(2.004)	65.70/(2.587)	NO	0
43914-1004	12	60.90/(2.398)	75.70/(2.980)	NO	0
43914-1005	14	70.90/(2.791)	85.70/(3.374)	NO	0
43914-1101	6	30.90/(1.217)	45.70/(1.799)	YES	1
43914-1102	8	40.90/(1.610)	55.70/(2.193)	YES	2
43914-1103	10	50.90/(2.004)	65.70/(2.587)	YES	2
43914-1104	12	60.90/(2.398)	75.70/(2.980)	YES	2
43914-1105	14	70.90/(2.791)	85.70/(3.374)	YES	2

NOTES:

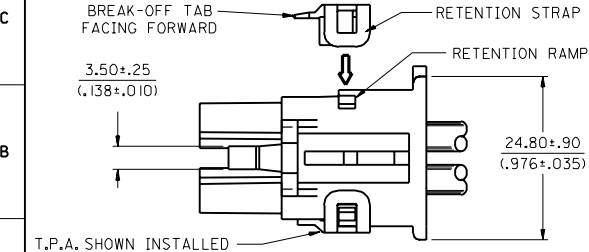
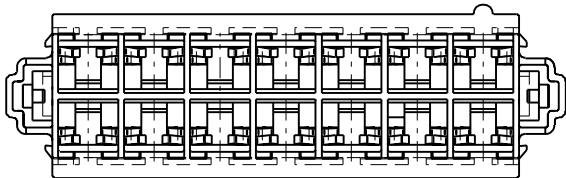
1. MATERIAL: POLYESTER, U.L. 94V-0. COLOR: BLACK
2. PRODUCT SPEC.: PS-42815-001
3. USES STANDARD 42815 MINI-FIT SR. FEMALE CRIMP TERMINALS.
4. TPA #43980 MUST ALWAYS BE USED WITH THIS CONNECTOR.
5. PART MATES WITH MOLEX HEADER 43915.
6. POLARIZING WEBS TO BE LOCATED BETWEEN CIRCUITS ON EITHER END OF HOUSING OF THE CIRCUIT 1 ROW AS SHOWN.  
EXCEPTION: THE 6 CIRCUIT HOUSING WILL HAVE A SINGLE WEB ON THE CIRCUIT 1 END.



STEP 1. TERMINALS ARE TO BE ORIENTATED AND LOADED INTO HOUSING AS SHOWN.






STEP 2. TERMINALS ARE LOADED WHEN SEATED AGAINST FORWARD STOP AND TERMINAL LATCHES ARE SNAPPED BEHIND TERMINAL WALLS.  
RETENTION FORCE AT THIS STAGE = 0.5 Kg.



\* THIS PRODUCT MUST NEVER BE USED WITHOUT THE T.P.A \*

STEP 3. AFTER TERMINALS ARE LOADED INTO HOUSING, T.P.A. IS TO BE "BROKEN OR CUT" IN HALF, ORIENTATED AND INSTALLED IN THE DIRECTION SHOWN UNTIL THE RETENTION STRAPS SNAP OVER THE RETENTION RAMPS. THIS PRODUCT MUST NEVER BE USED WITHOUT THE INSTALLATION OF THE T.P.A.

ADDED 3.50 EC NO. UCR2000-0646 DRAWN: COMERC 000321 CHK: COMERC 000321 APPR: COMERC 000321	QUALITY SYMBOLS MAJOR  =0 CRITICAL  =0	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 2:1	DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	 THIRD ANGLE PROJECTION	<input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH <input type="checkbox"/> mm ONLY	REVISE ON CAD ONLY	
				DRAWN BY & DATE COMERC 97/08/20		TITLE: RECEPTACLE HOUSING DUAL ROW 6-14 CIRCUIT (MINI-FIT SR.)			
				CHECKED BY & DATE COMERC 97/08/25		MOLEX INCORPORATED			
				APPROVED BY & DATE FRY 97/08/26		CAD FILENAME			
				ANGULAR: ± 0		MATERIAL NO. SEE CHART		DRAWING NO. SD-43914-002	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			
REV								SHEET NO. 1 OF 1	