

Excellent Integrated System Limited

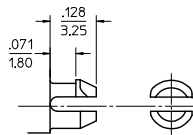
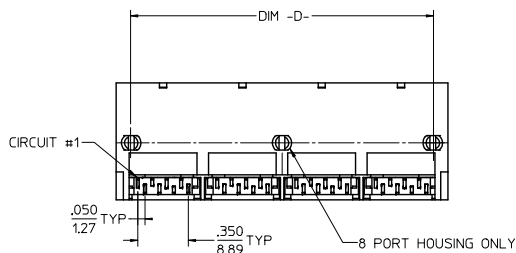
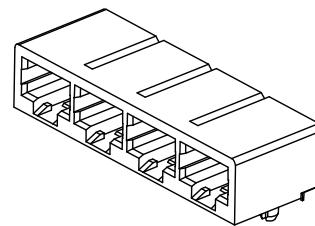
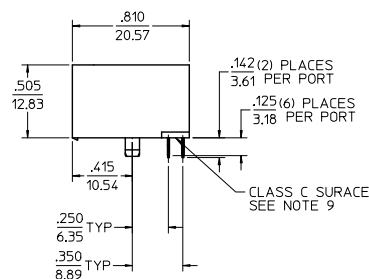
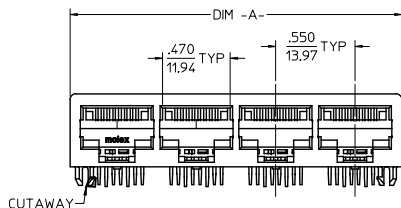
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

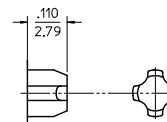
[Molex Connector Corporation](#)
[0441500020](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



PEG OPTION 'A'
SNAP-FIT PEG
SEE NOTE #7
(SCALE NTS)



PEG OPTION 'B'
PRESS-FIT PEG
SEE NOTE #7
(SCALE NTS)

NOTES:

- 1) MATERIAL:
HOUSING: NYLON, GLASS FILLED, UL94V-0, COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE
- 2) FINISH:
TERMINALS:
SELECT GOLD IN CONTACT AREA: 50 MICROINCHES / 1.27 MICROMETERS MIN.
SELECT MATTE TIN IN PC TAIL AREA: 100 MICROINCHES / 2.54 MICROMETERS MIN.
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES / 1.27 MICROMETERS MIN.
- 3) PRODUCT SPECIFICATION: PS-44050-003.
- 4) PACKAGING SPECIFICATION:
UNSIELDED CONNECTOR ASSEMBLIES IN THERMOFORMED TRAYS PER MOLEX
PACKAGING SPECIFICATION PK-44150-005.
- 5) MATES WITH: MODULAR PLUGS THAT CONFORM TO FCC REGULATION PART 68.5.
- 6) PC BOARD LAYOUTS AND PANEL CUT-OUT SHOWN ON PAGE (3) OF (3).
- 7) CONNECTOR AVAILABLE WITH EITHER PEG OPTION 'A' (SNAP-FIT) OR PEG OPTION 'B' (PRESS-FIT). THIS DRAWING SHOWS PEG OPTION 'A'.
- 8) TERMINAL LENGTHS MAY BE DIFFERENT FROM TERMINAL TO TERMINAL.
- 9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002 WITH THE EXCEPTION OF THE SURFACE INDICATED WHICH IS A CLASS C SURFACE.

ASSEMBLY MATERIAL NUMBER	NUMBER OF PORTS	PEG OPTION	CENTER PEG	DIM -A-	DIM -D-
441500001	2	A	NO	1.200/30.48	1.000/25.40
441500017	2	B	NO	1.200/30.48	1.000/25.40
441500002	4	A	NO	2.300/58.42	2.100/53.34
441500018	4	B	NO	2.300/58.42	2.100/53.34
441500003	6	A	NO	3.400/86.36	3.200/81.28
441500019	6	B	NO	3.400/86.36	3.200/81.28
441500004	8	A	YES	4.500/114.30	4.300/109.22
441500020	8	B	YES	4.500/114.30	4.300/109.22

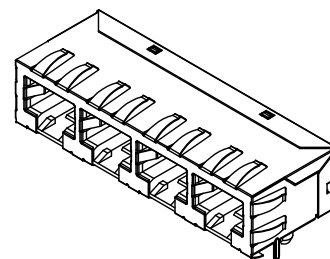
QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE IN/MM	DRAWN BY DATE	CHECKED BY DATE	APPROVED BY DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.
▽=0	4 PLACES ± .010	mm	MARANTO	98/01/21				
▽=0	3 PLACES ± .010	INCH						
▽=0	2 PLACES ± 0.25		ROBERTS	98/01/21				
▽=0	1 PLACE ± .010							
▽=0	0 PLACE ± .010		ROBERTS	98/01/21				
ANGULAR ± 1/2°								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
SEE CHART								
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

CATEGORY 5 MODULAR JACK ASSEMBLIES, GANGED

molex

SD-44150-002

1 OF 3



NOTES: SEE DWG 101 (SCALE NTS) SEE DWG 102 (SCALE NTS)

1) MATERIAL:
HOUSING: NYLON, GLASS FILLED, UL94V-0. COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE
SHIELD: BRASS

2) FINISH:
TERMINALS:
SELECT GOLD IN CONTACT AREA: 50 MICROINCHES / 127 MICROMETERS MIN.
SELECT MATTE TIN IN PC TAIL AREA: 100 MICROINCHES / 254 MICROMETERS MIN.,
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES / 127 MICROMETERS MIN.
SHIELD:
100 MICROINCHES / 254 MICROMETERS NICKEL OVER 50 MICROINCHES /
127 MICROMETERS COPPER UNDERPLATE, PCB GROUND TABS DIPPED IN TIN

3) PRODUCT SPECIFICATION: PS-44050-003.

4) PACKAGING SPECIFICATION:
SHIELDED CONNECTOR ASSEMBLIES IN THERMOFORMED TRAYS PER MOLEX
PACKAGING SPECIFICATION PK-44150-004.

5) MATES WITH MODULAR PLUGS THAT CONFORM TO FCC REGULATION PART 68.5.

6) PC BOARD LAYOUTS AND PANEL CUT-OUT SHOWN ON PAGE (3) OF (3).

7) CONNECTOR AVAILABLE WITH EITHER PEG OPTION "A" (SNAP-FIT) OR
PEG OPTION "B" (PRESS-FIT). THIS DRAWING SHOWS PEG OPTION "A".

8) (4) PORT AND (8) PORT MODELS AVAILABLE WITH A SINGLE GROUND TAB ON REAR
OF SHIELD, LOCATED IN THE CENTER, PER THE ASSEMBLY MATERIAL NUMBER TABLE.

9) (8) PORT VERSION AVAILABLE WITH (3) GROUND TABS ON REAR OF SHIELD,
CENTERED ON THE PART, PER THE ASSEMBLY MATERIAL NUMBER TABLE.

10) TERMINAL LENGTHS MAY BE DIFFERENT FROM TERMINAL TO TERMINAL.

11) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION
PS-45499-002 WITH THE EXCEPTION OF THE SURFACE INDICATED WHICH IS A
CLASS C SURFACE.

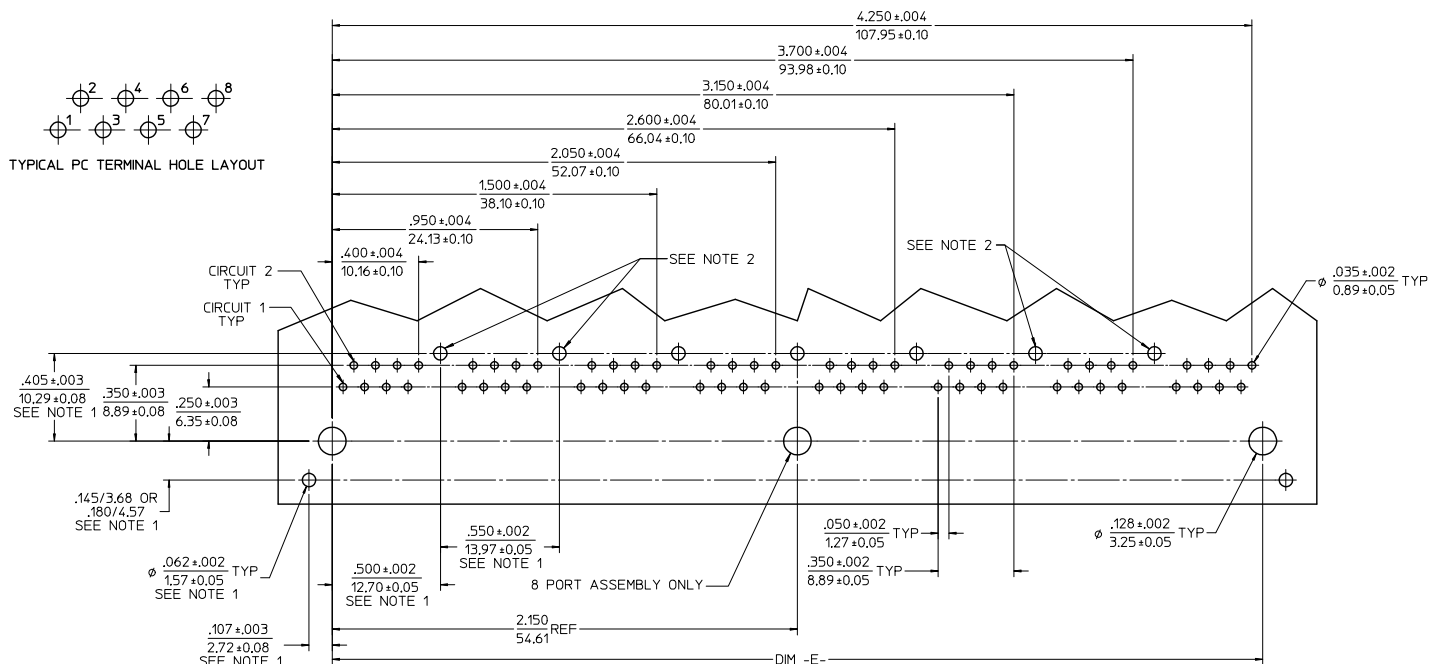
△ 441500036 DOES NOT HAVE TOP, SIDE, OR BOTTOM GROUND TABS &
HAS SHORTER BOTTOM FLANGES

△ 441500034 DOES NOT HAVE SIDE GROUND TABS

△ 441500037 DOES NOT HAVE BOTTOM GROUND TABS

SEE SHEET 1 EC NO: UC2704-5068 DRAWING NO: 2014/06/03 CHKD: BELL 2014/06/03 APPR: SM TH 2014/09/04 D7	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	X = "NOT TOLERED"		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		GENERAL TOLERANCES (UNLESS SPECIFIED)				CATEGORY 5 MODULAR JACK ASSEMBLIES, GANGED			
		mm INCH		DRAWN BY DATE		molex SD-44150-002			
		4 PLACES ± ±		MARANTO 98/01/21					
		3 PLACES ± ± .010		CHECKED BY DATE					
		2 PLACES ± ± .025		ROBERTS 98/01/21					
		1 PLACE ± ±		APPROVED BY DATE					
		0 PLACE ± ±		ROBERTS 98/01/21					
		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-44150-002		2 OF 3	
SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

TYPICAL PC TERMINAL HOLE LAYOUT



PCB LAYOUT : COMPONENT SIDE
RECOMMENDED PCB THICKNESS : .062/1.57

NOTES:

1. DIMENSIONS REFER TO SHIELDED ASSEMBLIES ONLY
2. SHIELD PCB GROUND TAB HOLES SPECIFIED NOT PRESENT FOR 441500033 USAGE

NUMBER OF PORTS	DIM -E-	DIM -F-
2	1,000/25.40	1,255/31.88
4	2,100/53.34	2,355/59.82
6	3,200/81.28	3,455/87.86
8	4,300/109.22	4,555/115.70

SUGGESTED PANEL OPENING
SHIELDED VERSIONS

SEE SHEET 1 EC NO: UCP2014-5068 DRAWINGVEN CHKD: BELL APPR: SMH DZ	2014/06/03	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	2014/06/03				IN/MM			INCH		
	2014/06/03		mm INCH		DRAWN BY	DATE	TITLE			
			4 PLACES ± ±		MARANTO	98/01/21	CATEGORY 5 MODULAR JACK ASSEMBLIES, GANGED			
			3 PLACES ± ± .010		CHECKED BY	DATE				
			2 PLACES ± ± .025		ROBERTS	98/01/21				
			1 PLACE ± ±		APPROVED BY	DATE				
			0 PLACE ± ±		ROBERTS	98/01/21				
			ANGULAR ± 1/2°		MATERIAL NO.		DOCUMENT NO.			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-44150-002		SHEET NO. 3 OF 3	