

Excellent Integrated System Limited

Stocking Distributor

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

[Molex Connector Corporation](#)
[0424106312](#)

For any questions, you can email us directly:

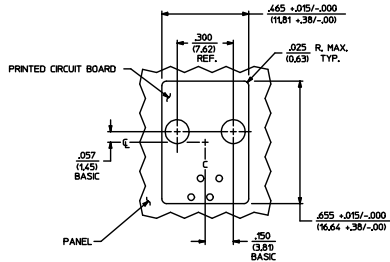
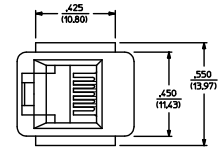
sales@integrated-circuit.com

NOTES:

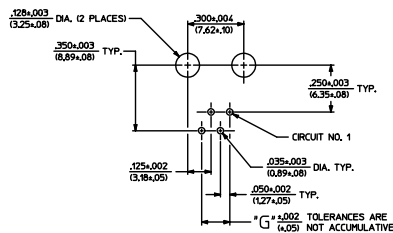
- 1) MATERIALS: HOUSING PARTS ARE MADE OF POLYESTER, RATED UL 94 V-0. COLOR IS BLACK. TERMINALS ARE .015/(0.38) THICK PHOSPHOR BRONZE.
- 2) TERMINAL PLATING OPTIONS PER ES-88-****:
A - SELECT GOLD IN CONTACT AREA: 50 MICRONS MIN.
SELECT MATTE TIN IN PC TAIL AREA: 100 MICRONS MIN.
WITH OVERALL NICKEL UNDERPLATE: 50 MICRONS MIN.
- 3) THESE MODULAR JACKS MEET THE PERFORMANCE REQUIREMENTS OF MOLEX PRODUCT SPECIFICATION PS-42410.
- 4) CONNECTORS ARE TO BE PACKED IN THERMOFORMED TRAYS, PER PACKAGING SPECIFICATION PK-42410-492.
- 5) ALL JACKS ARE DESIGNED TO BE USED WITH .062/(1.57) OR .025/(0.63) THICK P.C. BOARDS.
- 6) ALL JACKS CONFORM TO AND ACCEPT PLUGS WHICH CONFORM TO FCC RULES AND REGULATIONS PART 68, SUBPART F, WHEN PLATED WITH 50 MICRONS GOLD.
- 7) ALL JACKS MUST BE CAPABLE OF FITTING INTO MOLEX GAGE G-42410 (CONNECTOR SIZE 4).
- 8) SEE SHEETS 2 & 4 FOR CONNECTOR SIZE 6.
- 9) SEE SHEETS 3 & 4 FOR CONNECTOR SIZE 8.
- 10) SEE SHEET 4 FOR ASSEMBLY ITEM NUMBERS.
- 11) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
- 12) ENGRAVED NUMBERS ON HOUSING BODY ARE FOR MOLDING IDENTIFICATION PURPOSES. THEY ARE NOT INTENDED FOR ASSEMBLY IDENTIFICATION PURPOSES.
- 13) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.

P.C. BOARD THICKNESS	DIM. "D" (MTG. PEGS)	DIM. "F" (P.C. TAILS)
0.062"	.128 (3.25)	.120 ±.015/-0.025 (3.05 ±.38/-63)
0.125"	.191 (4.85)	.205 ±.015/-0.025 (5.21 ±.38/-63)

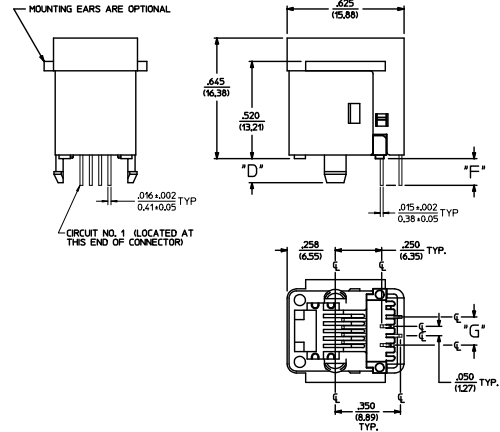
CONNECTOR SIZE	CIRCUIT SIZE	DIM. "G"
4	4	.150 (3.81)
4	2	.090 (2.27)



PANEL CUT-OUT FOR CONNECTOR SIZE 4



P.C. BOARD LAYOUT FOR CONNECTOR SIZE 4
VIEWED FROM COMPONENT SIDE



SIZE 4 MODULAR JACK LOADED WITH 4 TERMINALS SHOWN ABOVE
(SEE SHEET 4 FOR PART NUMBER AVAILABILITY)

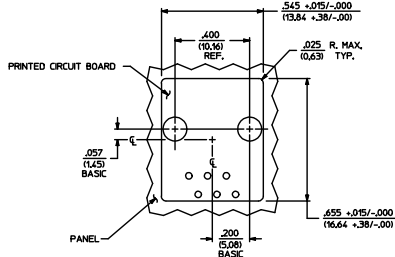
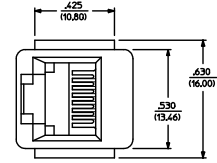
L A B E L P C B L A Y O U T N O . 47705-7536 P C B P A T E N T N O . 7058747 R E V I S I O N N O . 2015/07/04 A P P R O V E D B Y R E V I S I O N N O . 2015/07/04	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				IN/MM	4:1	INCH			
	▽=0	4 PLACES	±.010	DRAWN BY	DATE	ASSEMBLY: VERTICAL MODULAR JACKS			
	▽=0	3 PLACES	±.010	QIP	1990/10/12				
	▽=0	2 PLACES	±.025	CHECKED BY	DATE				
	▽=0	1 PLACE	±.025	DAP	1990/10/12				
		0 PLACE	±	APPROVED BY	DATE	molex			
		ANGULAR ±1/2°		FSMITH	2012/02/14				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 4		DOCUMENT NO.		SHEET NO.	
						SDA-42410-*****		1 OF 4	

NOTES:

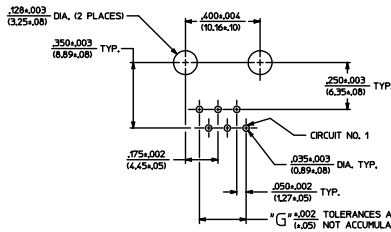
- 1) MATERIALS: HOUSING PARTS ARE MADE OF POLYESTER, RATED UL, 94 V-0, COLOR IS BLACK, TERMINALS ARE .015(0.38) THICK PHOSPHOR BRONZE.
- 2) TERMINAL PLATING OPTIONS PER ES-88-****:
 - A - SELECT GOLD IN CONTACT AREA: 50 MICRONS MIN.
 - SELECT MATTE TIN IN PC TAIL AREA: 100 MICRONS MIN.
 - WITH OVERALL NICKEL UNDERPLATE: 50 MICRONS MIN.
 - B - SELECT GOLD IN CONTACT AREA: 15 MICRONS MIN.
 - SELECT MATTE TIN IN PC TAIL AREA: 100 MICRONS MIN.
 - WITH OVERALL NICKEL UNDERPLATE: 50 MICRONS MIN.
- 3) THESE MODULAR JACKS MEET THE PERFORMANCE REQUIREMENTS OF MOLEX PRODUCT SPECIFICATION PS-42410.
- 4) CONNECTORS ARE TO BE PACKED IN THERMOFORMED TRAYS, PER PACKAGING SPECIFICATION PK-42410-492.
- 5) ALL JACKS ARE DESIGNED TO BE USED WITH .062(1.57) OR .125(3.18) THICK P.C. BOARDS.
- 6) ALL JACKS CONFORM TO AND ACCEPT PLUGS WHICH CONFORM TO FCC RULES AND REGULATIONS PART 68, SUBPART F, WHEN PLATED WITH 50 MICRONS GOLD.
- 7) ALL JACKS MUST BE CAPABLE OF FITTING INTO MOLEX GAGE G-42410 (CONNECTOR SIZE 4).
- 8) SEE SHEETS 1 & 4 FOR CONNECTOR SIZE 4.
- 9) SEE SHEETS 3 & 4 FOR CONNECTOR SIZE 6.
- 10) SEE SHEET 4 FOR ASSEMBLY ITEM NUMBERS.
- 11) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
- 12) ENGRAVED NUMBERS ON HOUSING BODY ARE FOR HOLDING IDENTIFICATION ONLY. THEY ARE NOT INTENDED FOR ASSEMBLY IDENTIFICATION PURPOSES.
- 13) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.

P.C. BOARD THICKNESS	DIM. "D" (MTG. PEGS)	DIM. "F" (P.C. TAILS)
0.062(1.57)	.128 (3.25)	.120 +.015/-.025 (3.05 +.38/-.63)
0.125(3.18)	.191 (4.85)	.205 +.015/-.025 (5.21 +.38/-.63)

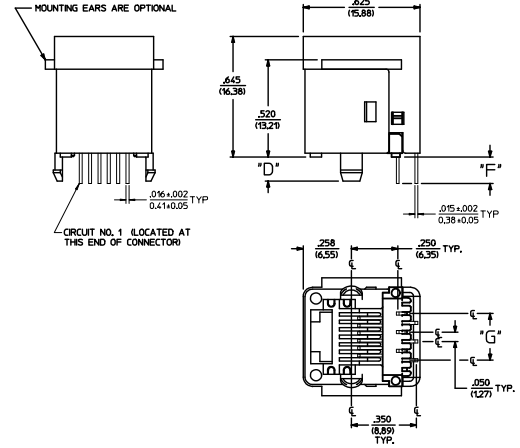
CONNECTOR SIZE	CIRCUIT SIZE	DIM. "G"
6	6	.250 (6.35)
6	4	.150 (3.81)
6	2	.050 (1.27)



PANEL CUT-OUT FOR CONNECTOR SIZE 6



P.C. BOARD LAYOUT FOR CONNECTOR SIZE 6
VIEWED FROM COMPONENT SIDE



SIZE 6 MODULAR JACK LOADED WITH 6 TERMINALS SHOWN ABOVE
(SEE SHEET 4 FOR PART NUMBER AVAILABILITY)

QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
mm	INCH	mm	INCH	IN/MM	DATE	INCH	4:1	INCH	INCH	INCH	INCH
4 PLACES ±.010	±.010	4 PLACES ±.010	±.010	DRAWN BY	1990/10/12	DATE					
3 PLACES ±.010	±.010	3 PLACES ±.010	±.010	CHECKED BY	DATE						
2 PLACES ±.025	±.025	2 PLACES ±.025	±.025	DAP	1990/10/12						
1 PLACE ±.050	±.050	1 PLACE ±.050	±.050	APPROVED BY	DATE						
0 PLACE ±.050	±.050	0 PLACE ±.050	±.050	FSMITH	2012/02/14						
ANGULAR ±1/2°		ANGULAR ±1/2°		PARTIAL NO.	DOCUMENT NO.	SDA-42410-****		SHEET NO. 2 OF 4			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

CONNECTOR SIZE	CIRCUIT SIZE	DIM. "G"
8	8	$\frac{.350}{(8.89)}$
8	6	$\frac{.250}{(6.35)}$
8	4	$\frac{.150}{(3.81)}$
8	2	$\frac{.050}{(1.27)}$

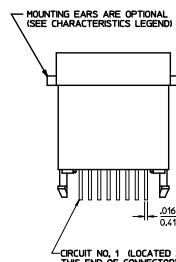
425
(16.73)

8

710
(27.95)

410
(16.14)

KEYING SLOT IS OPTIONAL



Technical drawing of the 100-pin connector showing top and side views with dimensions in inches and millimeters.

Top View Dimensions:

- Overall width: $.675$ (17.53)
- Overall height: $.645$ (16.38)
- Pin pitch (center-to-center): $.520$ (13.21)
- Pin diameter: $\varnothing.15 \times .002$ (3.98 $\pm$.005)
- Pin length (typical): $.250$ (6.35) TYP.
- Pin diameter (typical): $\varnothing.050$ (1.27)
- Pin spacing (typical): $.350$ (8.89) TYP.
- Pin diameter (typical): $\varnothing.258$ (6.55)

Side View Dimensions:

- Pin diameter: $\varnothing.15 \times .002$ (3.98 $\pm$.005)
- Pin length (typical): $.250$ (6.35) TYP.
- Pin diameter (typical): $\varnothing.050$ (1.27)
- Pin spacing (typical): $.350$ (8.89) TYP.
- Pin diameter (typical): $\varnothing.258$ (6.55)

[illegible]

[illegible]