HOUSING SIZE	CIRCUIT SIZE	DIM. A	DIM. B
6	6	.520 (13.21)	.250 (6.35)
6	4	.520 (13.21)	.150 (3.81)
6	2	.520 (13.21)	.050 (1.27)
8	8	.600 (15.24)	.350 (8.89)
8	6	.600 (15.24)	.250 (6.35)

6 CIRCUIT ASSEMBLY

.462 +.007/−.006 (11.74 +0.18/−0.15) TYP.
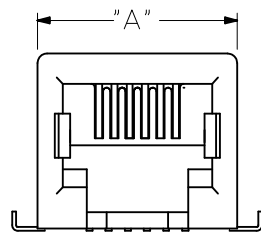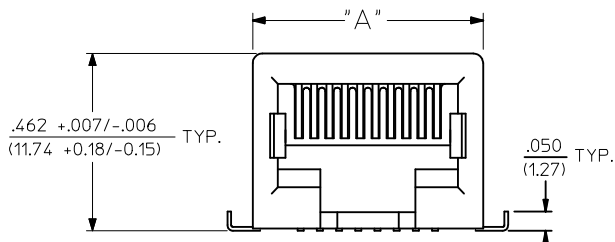
8 CIRCUIT ASSEMBLY

.050 (1.27) TYP.
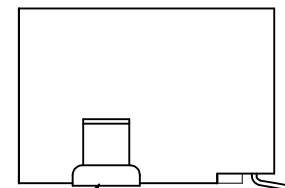
FITTING NAILS SEE NOTE 5

TERMINAL TAILS SEE NOTE 5

.140 (3.56)

.050 (1.27) TYP.

.10 (2.5)

.135 / 3.43 REF

B

.016 (.41) TYP.

.059 (1.50)

.175 (4.44) REF.

.665 (16.89)

ASSEMBLY ITEM NO.	CONNECTOR SIZE	CIRCUIT SIZE	TERMINAL PLATING	TAPE & REEL PACKAGING No.	VOIDED CIRCUITS
43743-6001	6	6	A	PK-70873-7001	NA
43743-6002	6	6	B		
43743-6003	6	6	C		
43743-6101	6	4	A		
43743-6102	6	4	B		
43743-6103	6	4	C	PK-70873-7001	
43743-8101	8	8	A	PK-70873-7002	
43743-8102	8	8	B		
43743-8103	8	8	C		
43743-8201	8	6	A		
43743-8202	8	6	B		
43743-8203	8	6	C		
43743-8301	8	4	A		
43743-8302	8	4	B		
43743-8303	8	4	C	PK-70873-7002	
43743-6201	6	2	A	PK-70873-7001	
43743-6202	6	2	B	PK-70873-7001	
43743-6203	6	2	C	PK-70873-7001	NA

COVER TAPE

REEL

VACUUM FORMED CARRIER TAPE WITH SPROCKET HOLES

TAPE AND REEL PACKAGING

NOTES:
1) MATERIAL:
   HOUSING & INSULATOR: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK
   TERMINALS: PHOSPHOR BRONZE, .012/(0.30) THICK
   FITTING NAILS: BRASS, .010/(0.25) THICK
2) FINISH:
   TERMINALS:
   A = SELECT GOLD IN CONTACT AREA: .000050/(0.00127) MIN.,
       *SELECT MATTE TIN IN PC TAIL AREA: .000100/(0.00254) MN.,
       WITH OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.
   B = SELECT GOLD IN CONTACT AREA: .000030/(0.00076) MIN.,
       *SELECT MATTE TIN IN PC TAIL AREA: .000100/(0.00254) MN.,
       WITH OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.
   C = SELECT GOLD IN CONTACT AREA: .000015/(0.00038) MIN.,
       *SELECT MATTE TIN IN PC TAIL AREA: .000100/(0.00254) MN.,
       WITH OVERALL NICKEL UNDERPLATE: .000050/(0.00127) MIN.
   FITTING NAILS:
   *100 MICROINCHES MATTE TIN OVER 50 MICROINCHES NICKEL UNDERPLATE
       *THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS
       DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC".
       CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD
       IN THE PC TAILS AND/OR FITTING NAILS.
3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43743-0001.
4) PACKAGING SPECIFICATION:
   CONNECTOR ASSEMBLIES TO BE PACKAGED USING TAPE & REEL SYSTEM.
5) COPLANARITY SPECIFICATION:
   WHEN AN ASSEMBLY IS PLACED UPON A LEVEL SURFACE, THE MAXIMUM
   GAP BETWEEN THE LEVEL SURFACE AND ALL TERMINAL TAILS AND
   BOTH FITTING NAILS IS .006/(0.15).
6) FOR ASSEMBLIES HAVING VOIDED CIRCUITS, THE TAIL PORTION IS CUT
   AND REMOVED. THE MATING PORTION OF THE TERMINAL REMAINS INTACT.
   VOIDED CIRCUITS MUST BE THE SAME FOR BOTH PARTS.
7) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
8) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC
   SPECIFICATION PS-45499-002.

	2	H
	1	J3
	SHT	REV

QUALITY SYMBOLS
▼ =0
▽ / C = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	±.010
2 PLACES	± 0.25	±.014
1 PLACE	± 0.36	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE IN/MM	SCALE 1:1	DESIGN UNITS INCH	⊚◁ THIRD ANGLE PROJECTION

DRAWN BY PEARSON	DATE 6/18/96
CHECKED BY PEARSON	DATE 6/18/96
APPROVED BY EDGLEY	DATE 6/18/96

TITLE: **SURFACE MOUNT MODULAR JACK**

molex **MOLEX INCORPORATED**

MATERIAL NO. SEE CHARTS

DOCUMENT NO. **SDA-43743-****

SHEET NO. 1 OF 2

SIZE C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

CKT. 1
(2 CKT.)

B
.025
(.64)

.050±.002
(1.27±.05)
TYP.

.066
(1.66)

.100
(2.54)

CKT. 1
(4 CKT.)

CKT. 1

.312
(7.92)

.665
(16.89)

.205
(5.21)

.642
(16.31)

.520
(13.21)

.244
(6.18) TYP.
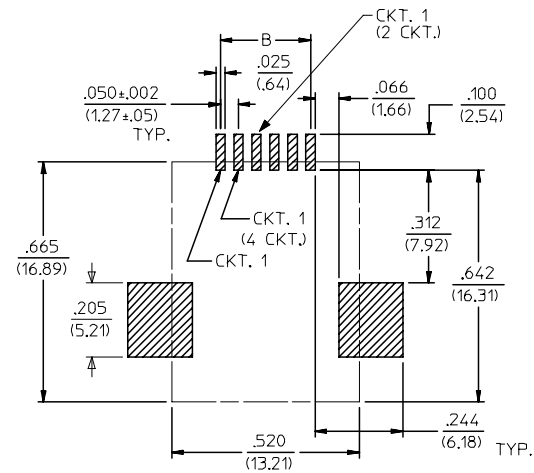
PC BOARD LAYOUT FOR
6 POSITION HOUSING
(COMPONENT SIDE OF BOARD)

TYP.
.050±.002
(1.27±.05)
TYP.

B
.025
(.64)

.056
(1.41)

.100
(2.54)

CKT. 1
(6 CKT.)
CKT. 1

.312
(7.92)

.665
(16.89)
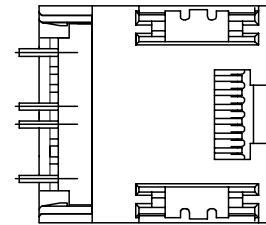
.205
(5.21)

.642
(16.31)

.600
(15.24)

.234
(5.93)
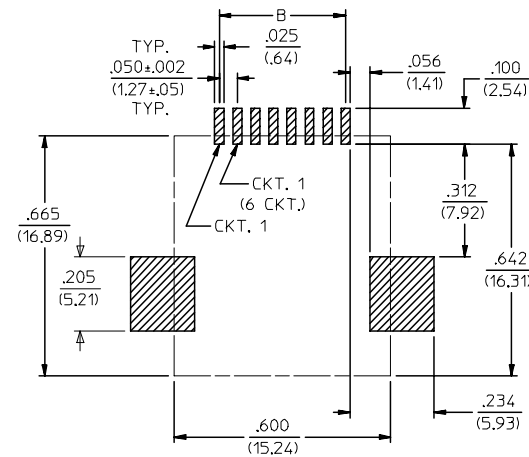
PC BOARD LAYOUT FOR
8 POSITION HOUSING
(COMPONENT SIDE OF BOARD)

TERMINAL CUTOFF POINT
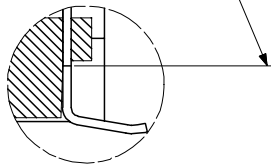
VIEW SHOWING TYPICAL TERMINAL
CUTOFF OF TAIL (SEE NOTE 5) FOR VOIDED CIRCUITS.

TYPICAL VIEW SHOWING VOIDED CIRCUIT
(CIRCUITS 2,3,6 &7 SHOWN VOIDED)

QUALITY
SYMBOLS

▼ = 0

C = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .014
1 PLACE	± 0.36	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

SCALE	DESIGN UNITS
---	INCH
DIMENSION STYLE	
IN/MM	

DRAWN BY: PEARSON DATE 06/18/96
CHECKED BY: PEARSON DATE 06/18/96
APPROVED BY: EDGLEY DATE 06/18/96

THIRD ANGLE PROJECTION | REVISE ON CAD ONLY

TITLE
SURFACE MOUNT
MODULAR JACK

molex MOLEX INCORPORATED

MATERIAL NO. SEE TABLE
DOCUMENT NO. SDA-43743-****
SHEET NO. 2 OF 2
C

tb_frame_C_P_ME_T
Rev. C 2002/05/05

Mouser Electronics

Authorized Distributor

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  [43743-8303](#)