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[Molex Connector Corporation](#)
[87089-2816](#)

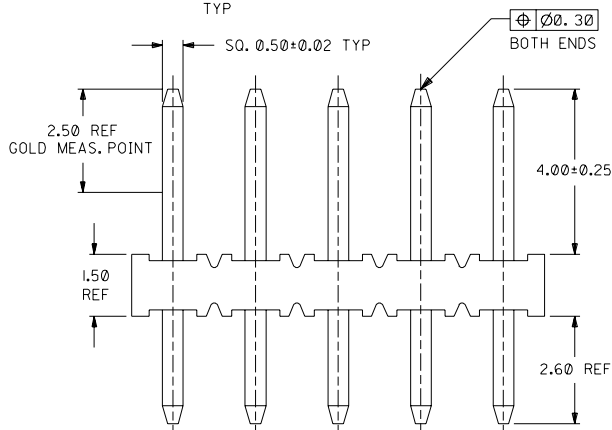
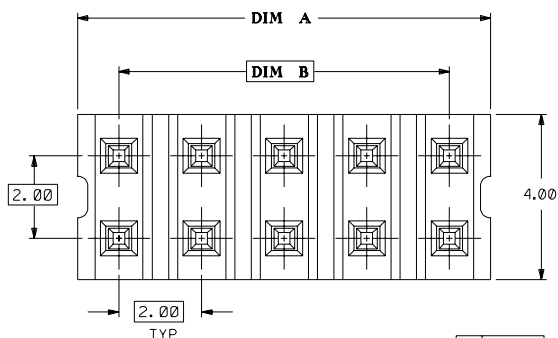
For any questions, you can email us directly:

sales@integrated-circuit.com

DWG. NO.
SD_87089-***16CAD FILE
S8708916.DGN

A

DO NOT SCALE DRAWING



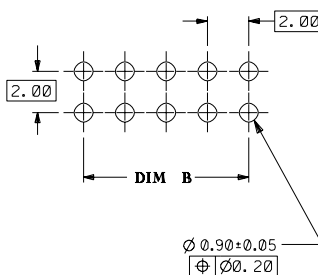
PART NUMBER LEGEND

87089 - * * * *

CKT SIZE PLATING
16 (SEE NOTE 4)
17

RECOMMENDED PCB PATTERN

(SCALE 5:1)



SHT	1	2
REV	E3	E3

E3	ADD T/R OPT. ISHT 21 AS PER 97-01-0142 FOR MOLEX INC.	S70422	SEE	970224	FINISH :
E2	ADD 2 CKT SIZE	S60160	SEE	950929	SEE NOTE 3
E1	REVISED HOUSING MAT'L	S40030	MAC	930814	
LTR	REVISION RECORD	ECN	DR	CHK	DATE
REVISE ONLY ON CAD SYSTEM					DRAWN BY SUSAN KOH 890801
					APPR'D BY R. WONG 890803
					CHK'D BY J. KACHLIC 890802
					SCALE 10 ± 1

MATERIAL : HOUSING: 30% G.F. NYLON 46, 94V-0 ,COLOR-BLACK PIN: 0.50mm SQ. PHOSPHOR BRONZE 5/0	MOLEX SINGAPORE PTE LTD SHEET 1 OF 2
GENERAL TOLERANCES ± 0.20/0.08	REV E3
DWG. NO. : SD187089-***16	TITLE : "MILLI-GRID" 2mm DUAL ROW VERTICAL HEADER

PART NO.	CKT SIZE	DIM A	DIM B
87089-02**	2	NA	NA
87089-04**	4	3.90	2.00
87089-06**	6	5.90	4.00
87089-08**	8	7.90	6.00
87089-10**	10	9.90	8.00
87089-12**	12	11.90	10.00
87089-14**	14	13.90	12.00
87089-16**	16	15.90	14.00
87089-18**	18	17.90	16.00
87089-20**	20	19.90	18.00
87089-22**	22	21.90	20.00
87089-24**	24	23.90	22.00
87089-26**	26	25.90	24.00
87089-28**	28	27.90	26.00
87089-30**	30	29.90	28.00
87089-32**	32	31.90	30.00
87089-34**	34	33.90	32.00
87089-36**	36	35.90	34.00
87089-38**	38	37.90	36.00
87089-40**	40	39.90	38.00
87089-42**	42	41.90	40.00
87089-44**	44	43.90	42.00
87089-46**	46	45.90	44.00
87089-48**	48	47.90	46.00
87089-50**	50	49.90	48.00

NOTES:

4 & 6 CKT SIZE ARE MADE BY BREAKING ASSEMBLY P/N 87089-081* AND P/N 87089-121* INTO HALVES RESPECTIVELY. BREAK-AWAY PROFILES ARE EXPECTED TO BE IRREGULAR.

2 CKT SIZE ARE MADE BY BREAKING LARGER ASSEMBLY P/N, THE CUT PROFILES ARE IRREGULAR AND UNDEFINED.

10 CIRCUIT SIZE SHOWN FOR ILLUSTRATION ONLY. SEE CHART FOR AVAILABLE PART SIZES.

4. PLATING FINISH :

16 - 0.38um/15uin MIN. GOLD SELECTIVE AREA
1.90um/75uin MIN. TIN/LEAD IN SELECTED AREA OVER
1.27um/50uin MIN. NICKEL OVERALL

17 - 0.76um/30uin MIN. GOLD SELECTIVE AREA
1.90um/75uin MIN. TIN/LEAD IN SELECTED AREA OVER
1.27um/50uin MIN. NICKEL OVERALL

5. PRODUCT SPECIFICATION PS-87049 APPLIES

6. RECOMMENDED PC BOARD THICKNESS IS 1.60 ± 0.10mm.

mm

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX (S) PTE LTD AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

