

PART NUMBER	NUMBER OF CIRCUITS	DIM A	DIM B	DIM C	DIM E
91820-**04	4	8.86	3.81	6.11	7.66
91820-**06	6	11.40	6.35	8.65	10.20
91820-**08	8	13.94	8.89	11.19	12.74
91820-**10	10	16.48	11.43	13.73	15.28
91820-**12	12	19.02	13.97	16.27	17.82
91820-**14	14	21.56	16.51	18.81	20.36
91820-**16	16	24.10	19.05	21.35	22.90
91820-**18	18	26.64	21.59	23.89	25.44
91820-**20	20	29.18	24.13	26.43	27.98
91820-**22	22	31.72	26.67	28.97	30.52
91820-**24	24	34.26	29.21	31.51	33.06
91820-**26	26	36.80	31.75	34.05	35.60



CIRCUIT No.1

AREA OF SELECTIVE GOLD  
SEE NOTE 2



DETAIL1  
Scale 10:1

0.00<sup>+0.10</sup><sub>0</sub>  
SEE NOTE 7

91820-\*\*\*\*

CIRCUIT SIZE  
04 TO 26 (4 TO 26CKT)

	PCB PEGS	TUBE PACKED	TAPE & REEL PACKED	DIM D	VERSION
0	YES	YES	NO	6.40	STANDARD HEADER
2	YES	NO	YES		
3	NO	YES	NO		
5	NO	NO	YES	4.10	LOW-PROFILE HEADER
6	NO	YES	NO		
7	NO	NO	YES		
8	YES	YES	NO		
9	YES	NO	YES		

0 - TIN VERSION  
3 - GOLD VERSION



STANDARD HEADER  
Scale 3:1



LOW-PROFILE HEADER  
Scale 3:1

NOTES:

- MATERIALS:  
HOUSING: PCT 30% GLASS FILL, UC94 V-0, COLOUR: BLACK.  
TERMINAL: CARTRIDGE BRASS 0.28 REF. THICK.
- PLATING:  
TIN VERSION: 3um TIN MIN. OVER NICKEL.  
GOLD VERSION: 0.76um SELECTIVE GOLD MIN. AND 0.10um GOLD FLASH MIN. OVER NICKEL.
- CONFORMS TO PRODUCT SPECIFICATION PS-99020-0011.
- FOR TAPE AND REEL PACKAGING SEE PK-91820-001.
- FOR TUBE PACKAGING SEE PK-91820-002.
- PCB PEGS ARE OPTIONAL.
- ALL SMT TAILS LIE WITHIN A COPLANARITY BAND OF 0.00 TO 0.10.
- COLOUR VARIATION MAY BE VISIBLE ON THE HOUSING SURFACES.
- MATES WITH MOLEX 90327 & 91935 SERIES.
- RECOMMENDED PCB LAYOUT SHOWN ON SHEET 2.

OBSOLETE E.C. NO: E2008-0123 DRAWN: JDENNEHY 2007/10/04 CHKD: DMORLARTY 2007/10/02 APPR: JDENNEHY 2007/10/03 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla=0$	mm INCH	MM ONLY	5:1	METRIC	
		4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
		3 PLACES ± --- ± ---	GMC/SWEENEY 2005/07/14	PICOFLEX SMT HEADER ASSEMBLY		
		2 PLACES ± 0.15 ± ---	CHECKED BY DATE	ROHS COMPATIBLE		
	1 PLACE ± 0.25 ± ---	JDENNEHY 2005/07/15	MOLEX INCORPORATED			
	ANGULAR ± 5°	APPROVED BY DATE	DOCUMENT NO.			
		JDENNEHY 2005/07/15	SD-91820-001			
		MATERIAL NO.	SHEET NO.			
			1 OF 2			
		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			

PART NUMBER	NUMBER OF CIRCUITS	DIM B	DIM E	DIM F
91820-***04	4	3.81	7.66	3.83
91820-***06	6	6.35	10.20	5.10
91820-***08	8	8.89	12.74	6.37
91820-***10	10	11.43	15.28	7.64
91820-***12	12	13.97	17.82	8.91
91820-***14	14	16.51	20.36	10.18
91820-***16	16	19.05	22.90	11.45
91820-***18	18	21.59	25.44	12.72
91820-***20	20	24.13	27.98	13.99
91820-***22	22	26.67	30.52	15.26
91820-***24	24	29.21	33.06	16.53
91820-***26	26	31.75	35.60	17.80



RECOMMENDED PCB LAYOUT FOR TRANSITION FIT WITH PCB PEGS:

HEADER VERSIONS 91820-\*\*\*04/ -\*\*\*06/ -\*\*\*08/ -\*\*\*10/ -\*\*\*12/ -\*\*\*14/ -\*\*\*16/ -\*\*\*18/ -\*\*\*20/ -\*\*\*22/ -\*\*\*24/ -\*\*\*26/  
 VIEWED FROM COMPONENT SIDE.  
 PCB THICKNESS = 1.60 ± 0.14



RECOMMENDED PCB LAYOUT FOR HEADERS WITHOUT PCB PEGS:

HEADER VERSIONS 91820-\*\*\*3/ -\*\*\*5/ -\*\*\*6/ -\*\*\*7/  
 VIEWED FROM COMPONENT SIDE.  
 PCB THICKNESS = 1.60 ± 0.14



RECOMMENDED PCB LAYOUT FOR CLEARANCE FIT WITH PCB PEGS:

HEADER VERSIONS 91820-\*\*\*04/ -\*\*\*06/ -\*\*\*08/ -\*\*\*10/ -\*\*\*12/ -\*\*\*14/ -\*\*\*16/ -\*\*\*18/ -\*\*\*20/ -\*\*\*22/ -\*\*\*24/ -\*\*\*26/  
 VIEWED FROM COMPONENT SIDE.  
 PCB THICKNESS = 1.60 ± 0.14

SEE SHEET 1 EEC NO: E2008-0123 DRAWN: JDENNEHY 2007/10/04 CHKD: DMORLARTY 2007/10/02 APPR: JDENNEHY 2007/10/03	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 5 °	mm INCH	DRAWN BY DATE GMCWEENEY 2005/07/14	CHECKED BY DATE JDENNEHY 2005/07/15	TITLE PICOFLEX SMT HEADER ASSEMBLY ROHS COMPATIBLE		
MATERIAL NO. SD-91820-001	DOCUMENT NO.	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		MOLEX INCORPORATED		SHEET NO. 2 OF 2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								