

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:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																		
	$\nabla=0$ $\nabla=0$	<table border="1"> <tr><th></th><th>mm</th><th>INCH</th></tr> <tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr> <tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr> <tr><td>2 PLACES</td><td>± 0.15</td><td>± ---</td></tr> <tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td></tr> <tr><td colspan="3">ANGULAR ± 5°</td></tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.15	± ---	1 PLACE	± 0.25	± ---	ANGULAR ± 5°			MM ONLY	5:1	METRIC	
		mm	INCH																					
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DESCRIPTION	<table border="1"> <tr><th>DATE</th><th>DRAWN BY</th><th>CHECKED BY</th><th>APPROVED BY</th></tr> <tr><td>2005/07/14</td><td>GMCSWEENEY</td><td>JDENNEHY</td><td>JDENNEHY</td></tr> <tr><td>2005/07/15</td><td></td><td></td><td></td></tr> <tr><td>2005/07/15</td><td></td><td></td><td></td></tr> </table>	DATE	DRAWN BY	CHECKED BY	APPROVED BY	2005/07/14	GMCSWEENEY	JDENNEHY	JDENNEHY	2005/07/15				2005/07/15				TITLE	PICOFLEX SMT HEADER ASSEMBLY ROHS COMPATIBLE					
DATE	DRAWN BY	CHECKED BY	APPROVED BY																					
2005/07/14	GMCSWEENEY	JDENNEHY	JDENNEHY																					
2005/07/15																								
2005/07/15																								
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART	MOLEX INCORPORATED MATERIAL NO. SD-91820-001 DOCUMENT NO.	SHEET NO. 1 OF 2																				

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 ECC 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 °	DRAWN BY GMC/SWEENEY	DATE 2005/07/14
REV	DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		MATERIAL NO. SD-91820-001		SHEET NO. 2 OF 2
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		MOLEX INCORPORATED		