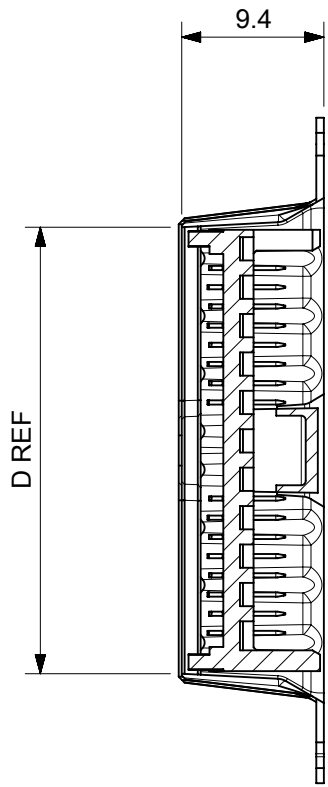
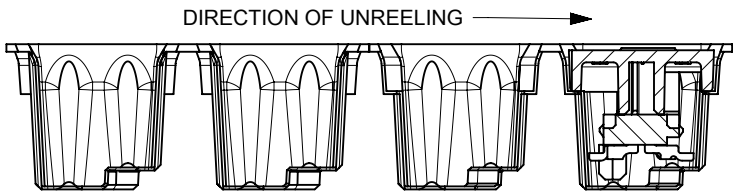
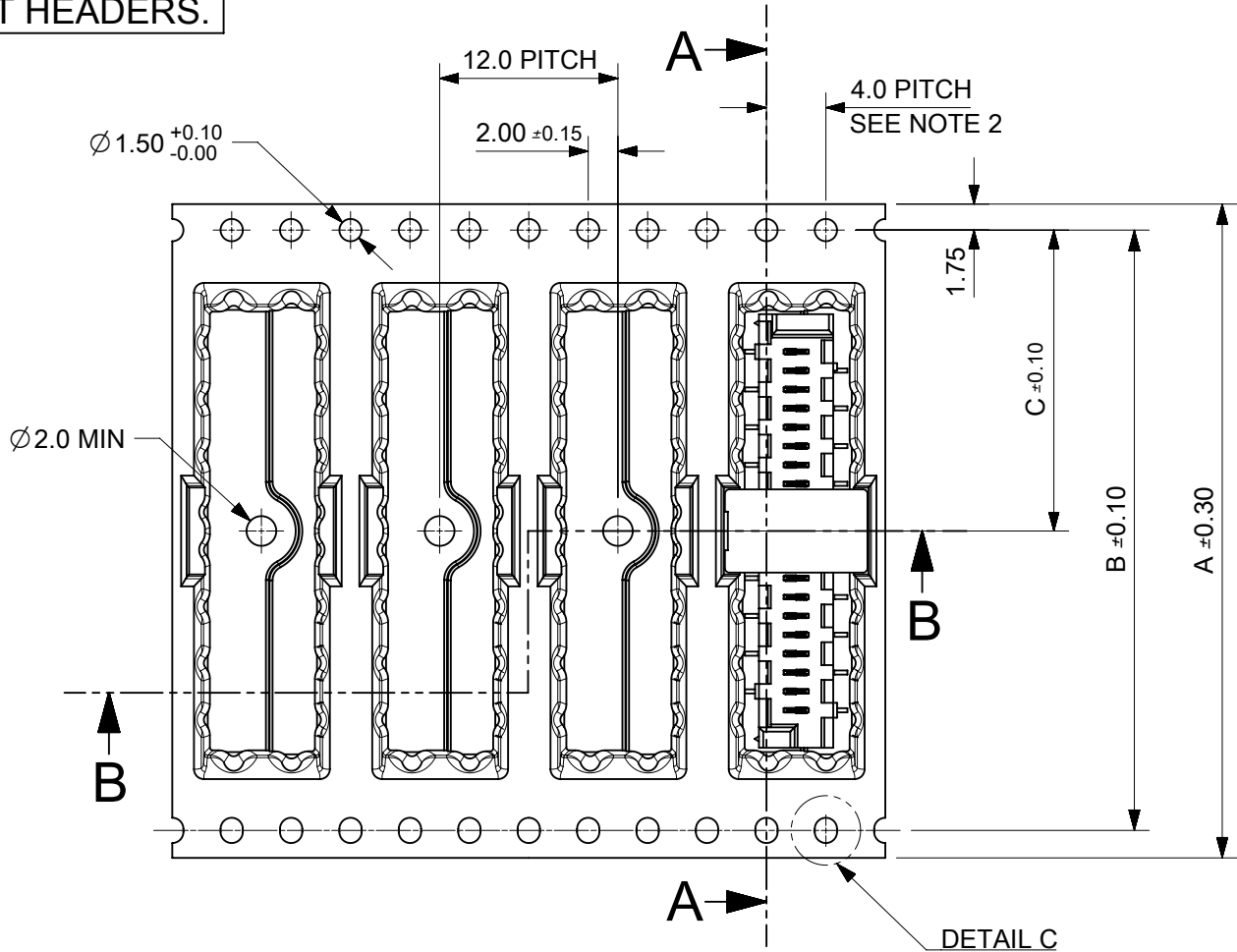


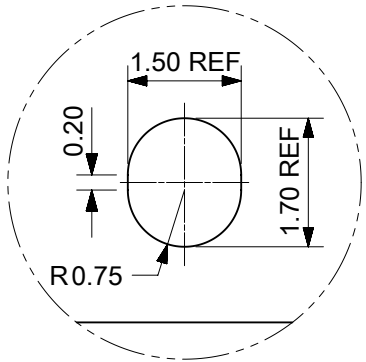
CARRIER TAPE FOR STANDARD SMT HEADERS.



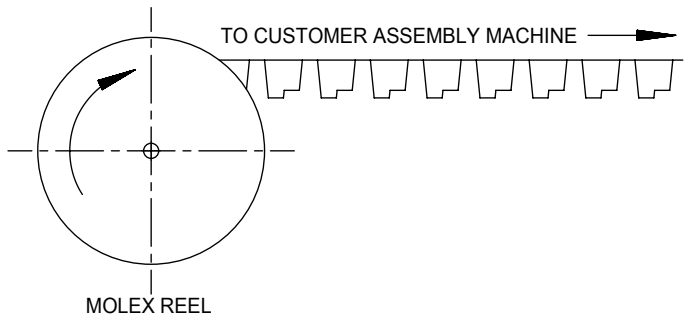
SECTION A-A



SECTION B-B

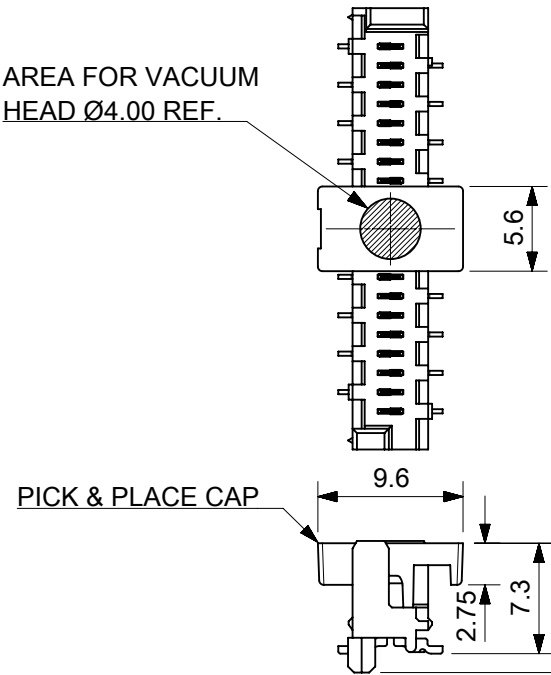


DETAIL C
SCALE 10:1



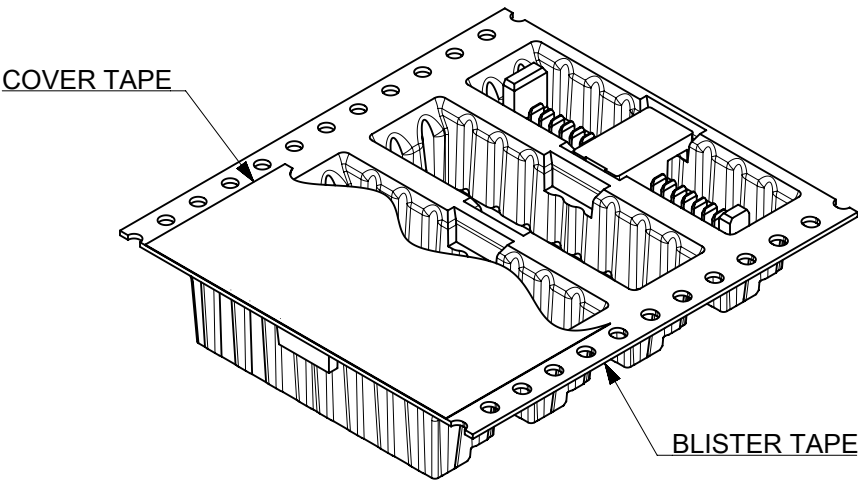
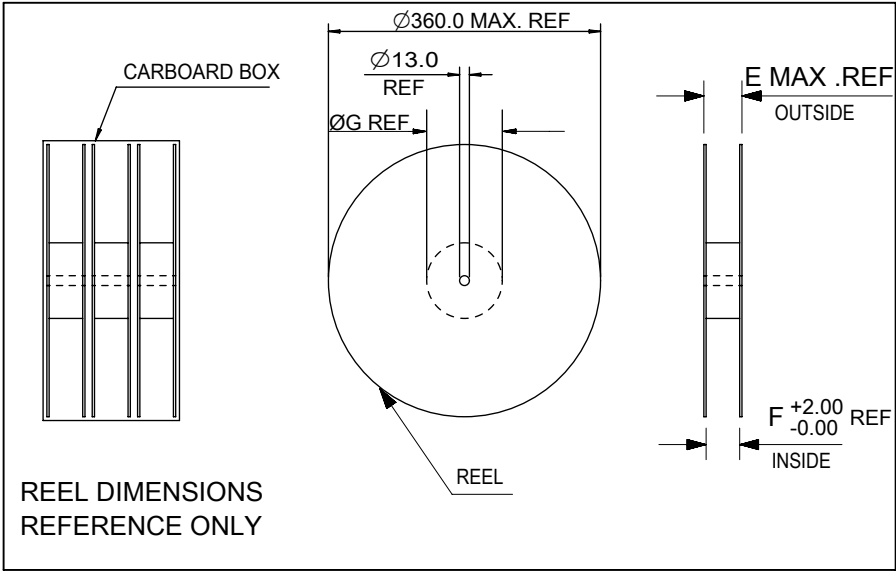
STANDARD SMT PICO FLEX
COMPONENT & CAP DETAIL
PART NUMBERS 90814-*2**/*5**

SEE DRAWING NO. SDA-90814
FOR COMPONENT DETAIL



- NOTES:
- MATERIAL:
CARRIER TAPE: VOLUME NON-CONDUCTIVE ANTISTATIC COATED POLYSTYRENE, 0.4 mm REF. THICK, CLEAR.
COVER TAPE: COLD SEAL POLYESTER, 0.06 mm REF. THICK, TRANSPARENT.
 - PITCH TOLERANCE OVER ANY 10 PITCHES ±0.2 mm.
 - ALL CAVITY WALLS HAVE DRAFT ANGLE UNLESS STATED OTHERWISE.
 - ALL INTERNAL RADII R0.3 MAX.
 - PEEL FORCE OF THE COVER TAPE IS 0.1 N TO 1.3 N AT MAXIMUM PEEL SPEED OF 300 mm/MIN, ±10%.
 - REFERENCE TO IEC 60286-3.

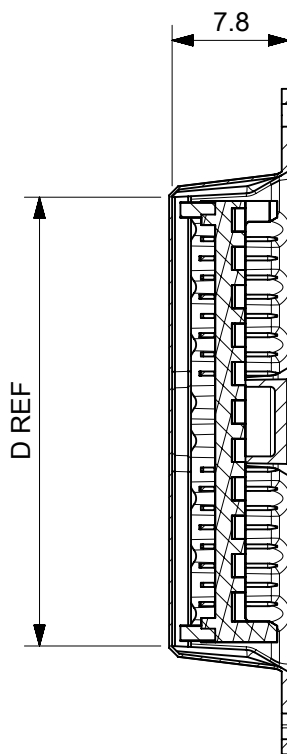
PART NUMBER	NO. OF CKTS	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	PIECES PER BOX	REELS PER BOX	PIECES PER REEL
90814-*220/*520	20	44.0	40.4	20.2	29.5	50.4	44.4	100.0	1800	3	600
90814-*218/*518	18										
90814-*216/*516	16										
90814-*214/*514	14										
90814-*212/*512	12										
90814-*210/*510	10										
90814-*208/*508	8										
90814-*206/*506	6										
90814-*204/*504	4										



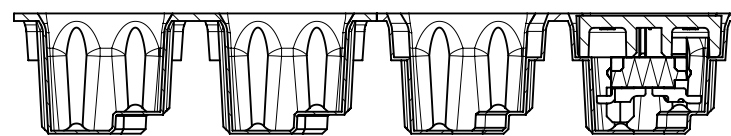
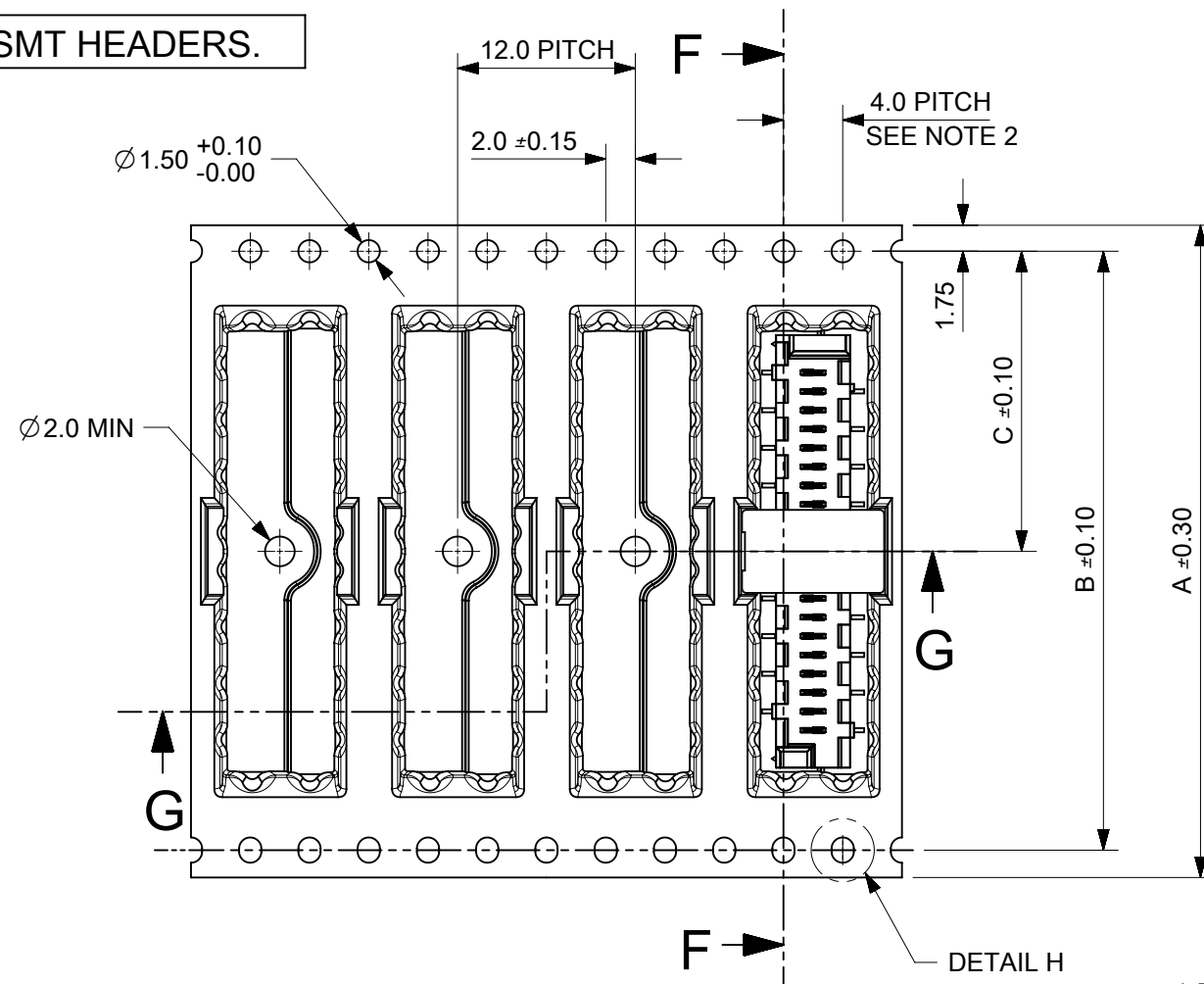
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: REVISED				molex							
mm		1.5:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)								PICO FLEX SMT HEADER BLISTER TAPE							
ANGULAR TOL		± 2.0 °		EC NO: 169568				PRODUCT CUSTOMER DRAWING							
4 PLACES		±		DRWN: BPMURPHY 2017/12/05											
3 PLACES		±		CHK'D: DSHEA 2018/04/13				DOCUMENT NUMBER							
2 PLACES		± 0.1		APPR: DBYRNES 2018/04/18											
1 PLACE		± 0.2		INITIAL REVISION:				DOC TYPE							
0 PLACES		±		DRWN: BPMURPHY 2017/09/25											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
				A3-SIZE		90814									
								908149002		PSD		000		B	
								SEE TABLE		GENERAL MARKET		1 OF 2			

DOCUMENT STATUS	P1	RELEASE DATE	2018/04/18	13:52:11
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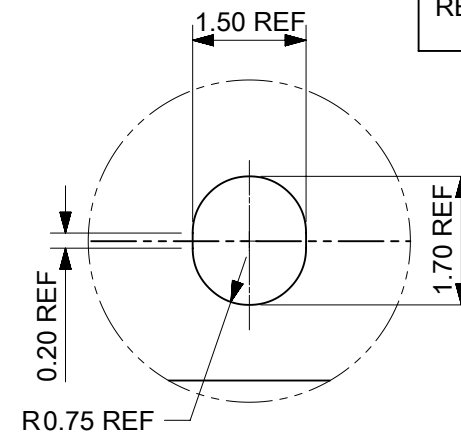
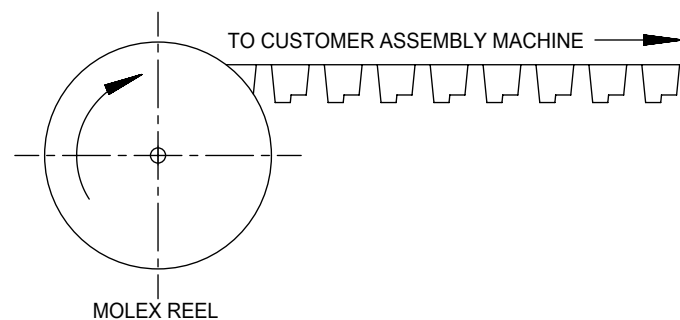
CARRIER TAPE FOR LOW PROFILE SMT HEADERS.



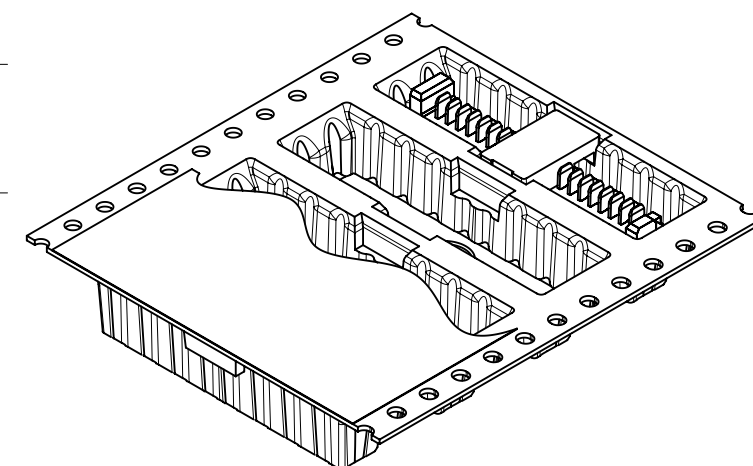
SECTION F-F



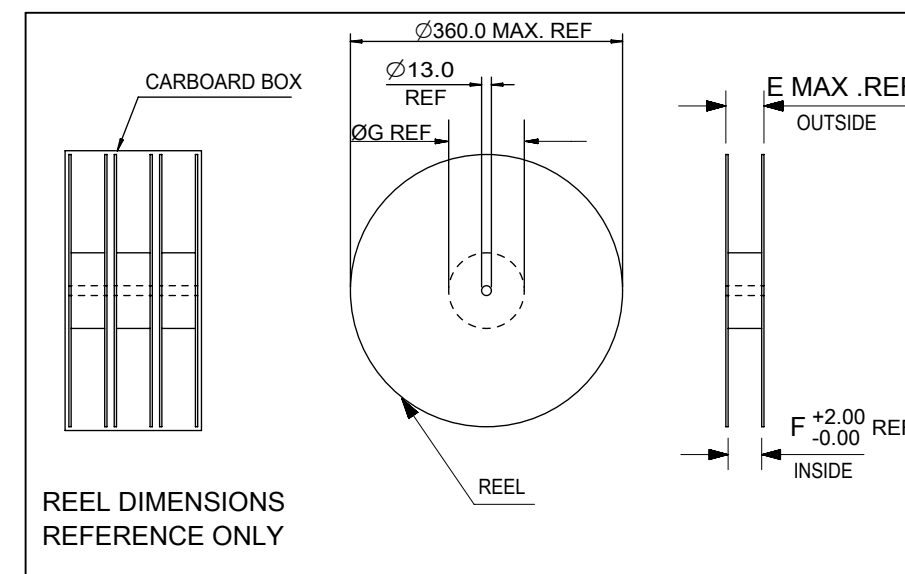
SECTION G-G



DETAIL H
SCALE 10:1

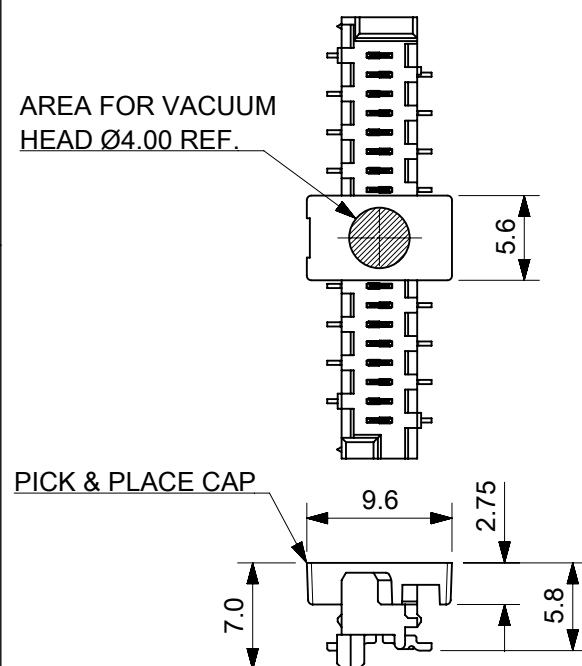


PART NUMBER	NO. OF CKTS	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	PIECES PER BOX	REELS PER BOX	PIECES PER REEL
90814-*720/*920	20	44.0	40.4	20.2	29.5	50.4	44.4	100.0	1800	3	600
90814-*718/*918	18										
90814-*716/*916	16										
90814-*714/*914	14										
90814-*712/*912	12										
90814-*710/*910	10										
90814-*708/*908	8										
90814-*706/*906	6										
90814-*704/*904	4										



LOW-PROFILE SMT PICOFLEX
COMPONENT & CAP DETAIL
PART NUMBERS 90814-*7**/-*9**

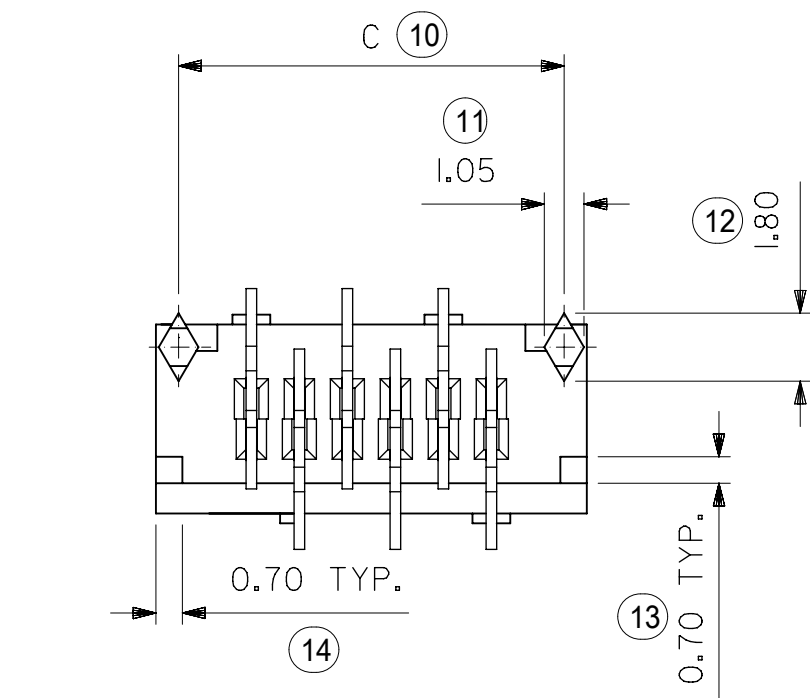
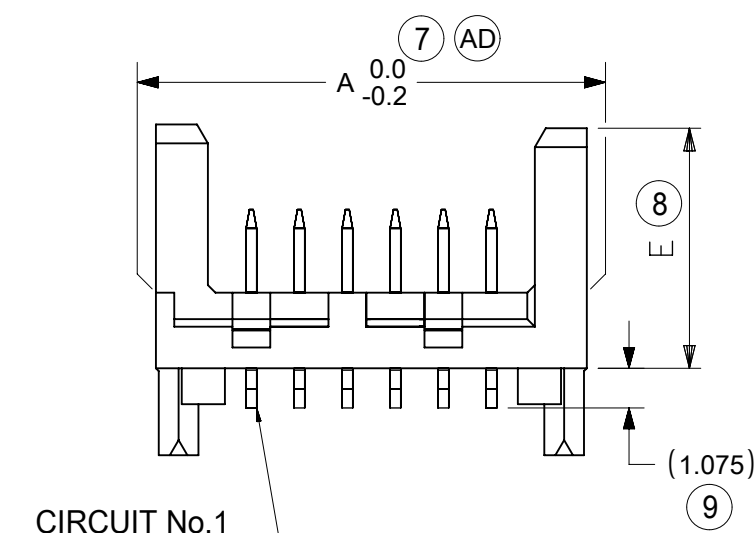
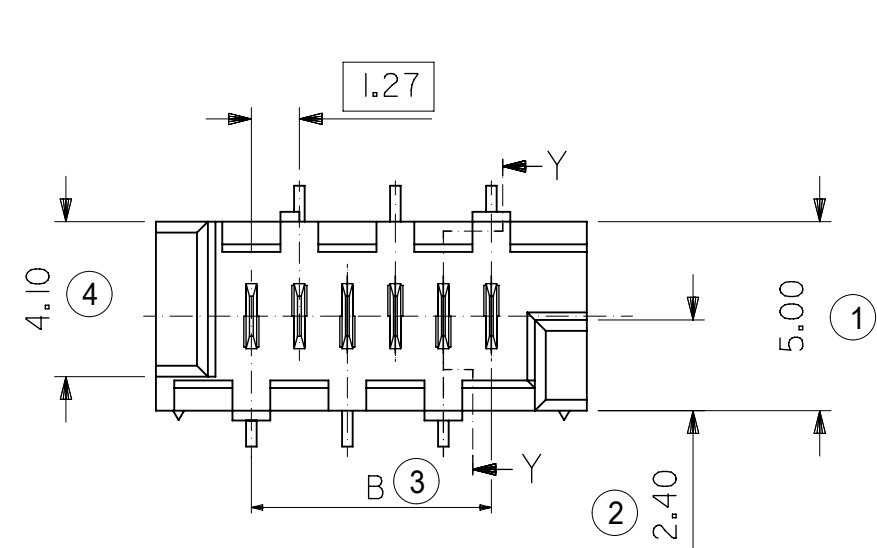
SEE DRAWING NO. SDA-90814
FOR COMPONENT DETAIL



NOTES:

1. MATERIAL:
CARRIER TAPE: VOLUME NON-CONDUCTIVE ANTISTATIC COATED POLYSTYRENE, 0.4 mm REF. THICK, CLEAR
COVER TAPE: COLD SEAL POLYESTER, 0.06 mm REF. THICK, TRANSPARENT.
2. PITCH TOLERANCE OVER ANY 10 PITCHES ± 0.2 mm.
3. ALL CAVITY WALLS HAVE DRAFT ANGLE UNLESS STATED OTHERWISE.
4. ALL INTERNAL RADII R0.3 MAX.
5. PEEL FORCE OF THE COVER TAPE IS 0.1 N TO 1.3 N AT MAXIMUM PEEL SPEED OF 300 mm/MIN, $\pm 10\%$.
6. REFERENCE TO IEC 60286-3.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: REVISED			molex		
mm		1.5:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)							PICOFLEX SMT HEADER BLISTER TAPE		
ANGULAR TOL ± 2.0 °									
4 PLACES ±									
3 PLACES ±				PRODUCT CUSTOMER DRAWING			DOCUMENT NUMBER DOC TYPE DOC PART REV 908149002 PSD 000 E		
2 PLACES ± 0.1									
1 PLACE ± 0.2				MATERIAL NUMBER CUSTOMER SEE TABLE GENERAL MARKET			SHEET NUMBER 2 OF 2		
0 PLACES ±									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
						A3-SIZE		90814	



NOTES:

1) MATERIAL: HOUSING: NYLON (PA) GLASS FILLED. UL94 V-0, NATURAL (BEIGE)
TERMINAL - CARTRIDGE BRASS 0.28 REF THICK

2) PLATING:

TIN: TIN (Sn) 3-5 MICROMETRE OVER 1.27 MICROMETRE MIN NICKEL(Ni).

GOLD : UNDERPLATED 1.27μm MIN NICKEL

3-5μm TIN SELECTIVE

3) MATES WITH MOLEX 90327 PART SERIES.

4) ALL SMT TAILS TO LIE WITHIN A COPLANARITY BAND OF 0.0 - 0.10 REF. FROM EACH OTHER.

5) FOR TAPE AND REEL PACKAGING SEE 908149001 PSD AND 908149002 PSD.
FOR TUBE PACKAGING SEE PK-90814-001

6) PCB PEGS ARE OPTIONAL.

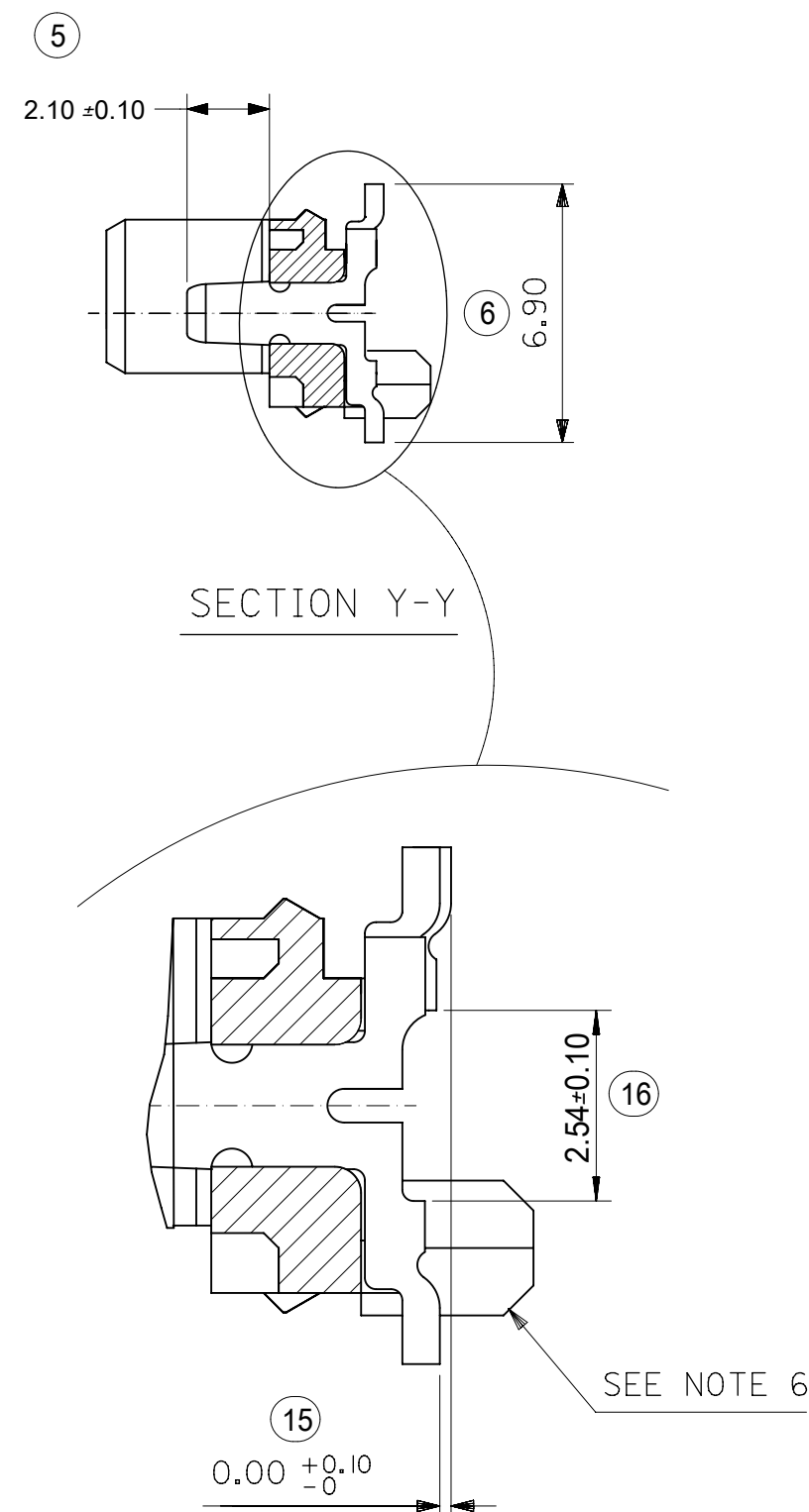
7) PCB LAYOUT SHOWN ON SHEET 2.

8) PRODUCT SPECIFICATION: PS-99020-0011

9) FOR RECOMMENDED REFLOW PROFILES, REFER TO PS-99020-0011 APPENDIX B

INSPECTION NUMBERS USED ON SHEET 1: 1-50

LAST INSPECTION NUMBER: 16

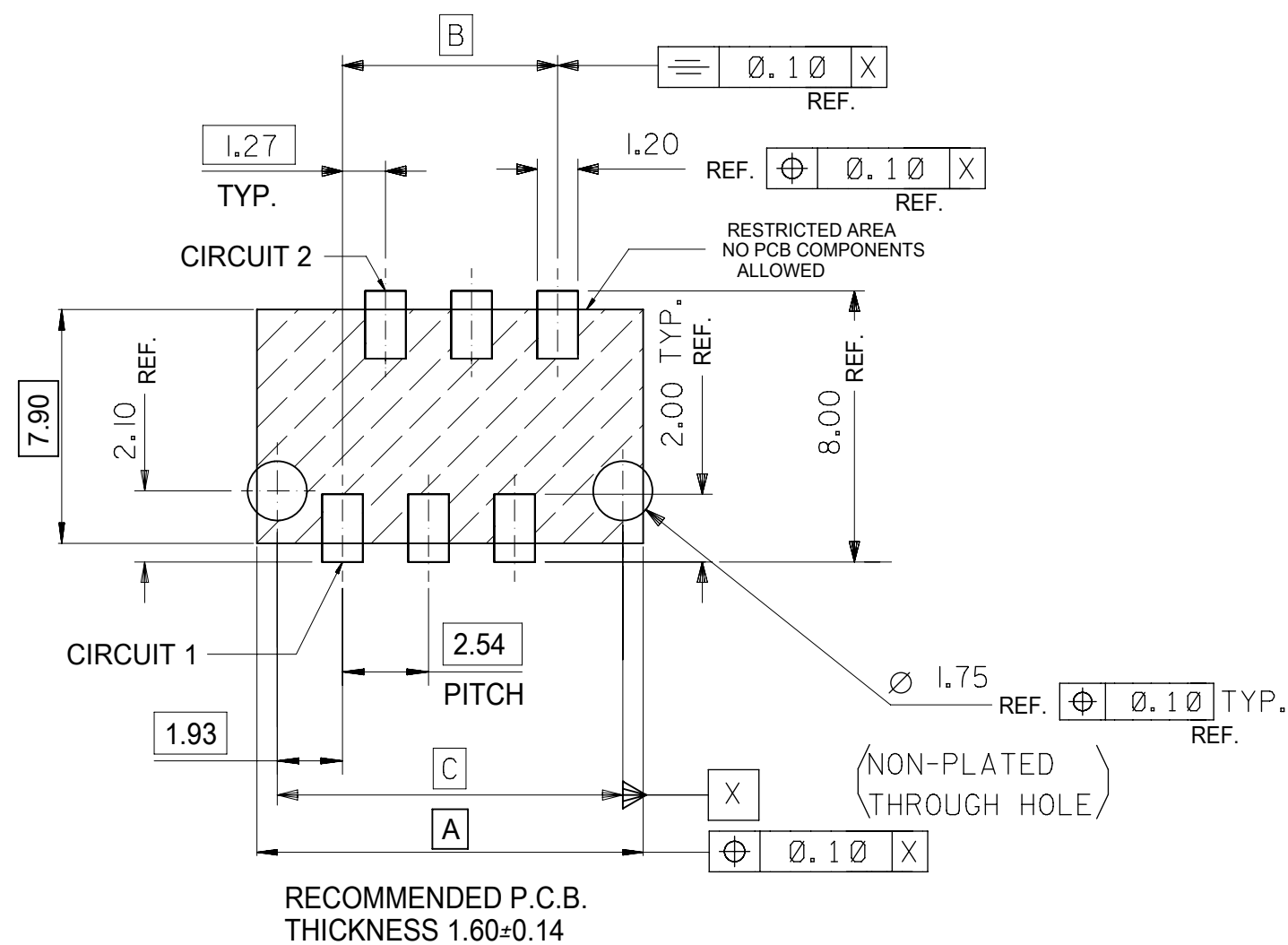


SEE NOTE 4

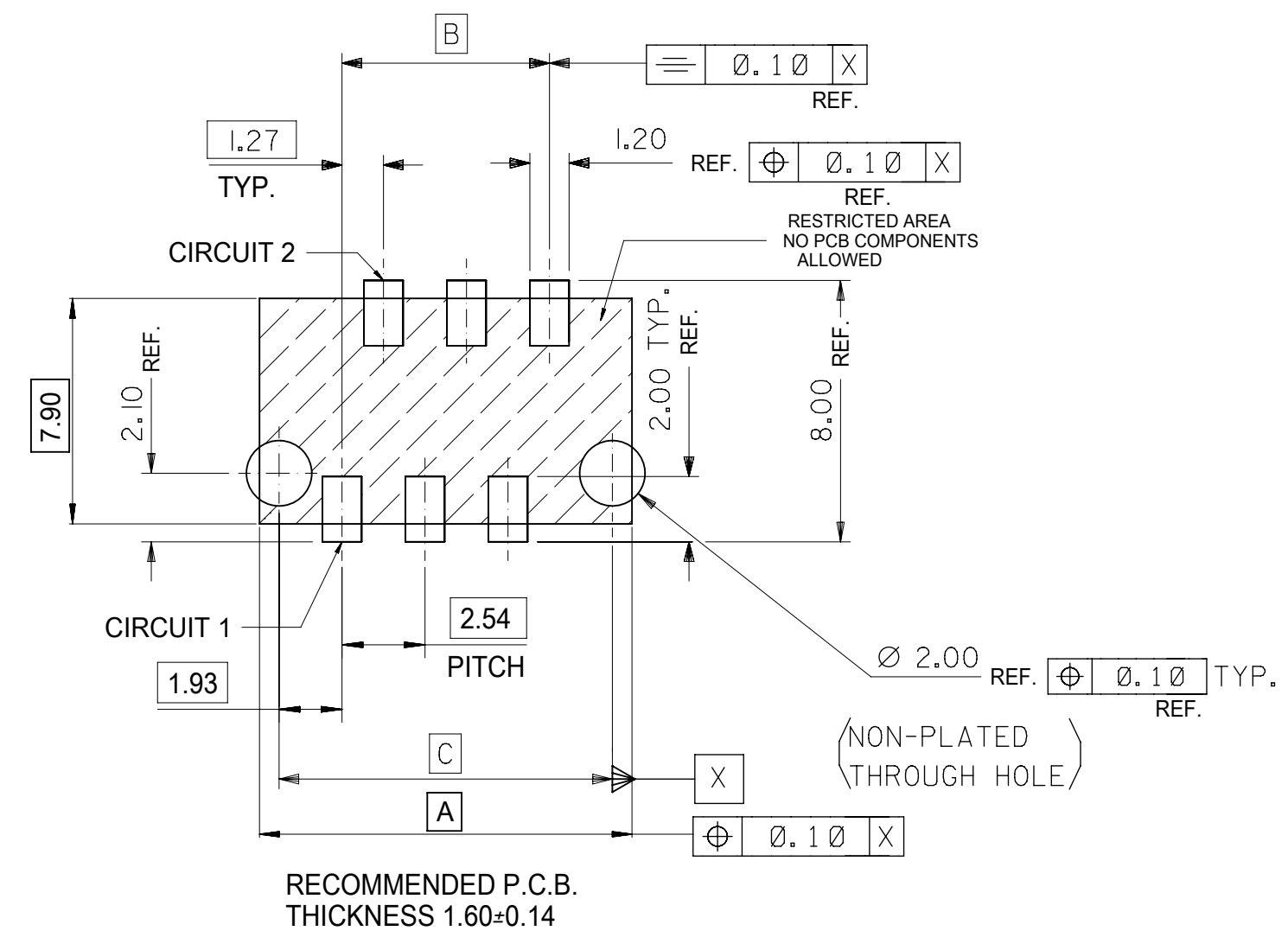
(SCALE 10:1)

90814-**26	26	36.80	31.75	35.60	14	YES
90814-**24	24	34.26	29.21	33.06	15	YES
90814-**22	22	31.72	26.67	30.52	16	YES
90814-**20	20	29.18	24.13	27.98	18	YES
90814-**18	18	26.64	21.59	25.44	20	YES
90814-**16	16	24.10	19.05	22.90	22	YES
90814-**14	14	21.56	16.51	20.36	25	YES
90814-**12	12	19.02	13.97	17.82	28	YES
90814-**10	10	16.48	11.43	15.28	32	YES
90814-**08	8	13.94	8.89	12.74	38	YES
90814-**06	6	11.40	6.35	10.20	46	YES
90814-**04	4	8.86	3.81	7.66	60	YES
PART NO.	NUMBER OF CKTS	DIMN. A	DIMN. B	DIMN. C	QUANTITY OF PARTS PER TUBE (- *0**/- *3**/- *6** & - *8** VERSIONS)	TOOLED

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: TYPO ERROR CORRECTED					molex						
mm		5:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 647680 DRWN: SMAHAJANSHET 2020/10/23 CHK'D: NCSR 2020/10/23 APPR: NCSR 2020/10/23					PICOFLEX SMT HEADER						
ANGULAR TOL ± 0.5°															
4 PLACES		±													
3 PLACES		±		INITIAL REVISION: DRWN: DMCNAMAR 2001/08/16 APPR: EFOLEN 2010/11/04					PRODUCT CUSTOMER DRAWING						
2 PLACES		± 0.1													
1 PLACE		±													
0 PLACES		±		DOCUMENT NUMBER SDA-90814					DOC TYPE PSD		DOC PART 001		REVISION AE		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS															
				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A2-SIZE		90814		SEE CHART		GENERAL MARKET		1 OF 2			



PCB LAYOUT FOR TRANSITION FIT WITH PCB PEGS
 HEADER VERSIONS 90814- $\times 0 \times \times$ / - $\times 2 \times \times$ / - $\times 8 \times \times$ / - $\times 9 \times \times$,
 VIEWED FROM COMPONENT SIDE



90814-**-26	26	36.80	31.75	35.60
90814-**-24	24	34.26	29.21	33.06
90814-**-22	22	31.72	26.67	30.52
90814-**-20	20	29.18	24.13	27.98
90814-**-18	18	26.64	21.59	25.44
90814-**-16	16	24.10	19.05	22.90
90814-**-14	14	21.56	16.51	20.36
90814-**-12	12	19.02	13.97	17.82
90814-**-10	10	16.48	11.43	15.28
90814-**-08	8	13.94	8.89	12.74
90814-**-06	6	11.40	6.35	10.20
90814-**-04	4	8.86	3.81	7.66
PART NO.	NUMBER OF CKTS	DIMN. A	DIMN. B	DIMN. C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
DIMENSION UNITS		SCALE		CURRENT REV DESC: TYPO ERROR CORRECTED				molex						
mm		5:1												
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 647680 DRWN: SMAHAJANSHET 2020/10/23 CHK'D: NCSR 2020/10/23 APPR: NCSR 2020/10/23						PICOFLEX SMT HEADER						
ANGULAR TOL ± 0.5 °														
4 PLACES ±						INITIAL REVISION: DRWN: DMCNAMAR 2001/08/16 APPR: EFOLON 2010/11/04						PRODUCT CUSTOMER DRAWING		
3 PLACES ±														
2 PLACES ± 0.1														
1 PLACE ±		THIRD ANGLE PROJECTION 				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION				
0 PLACES ±						DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						A2-SIZE		90814		SEE CHART		GENERAL MARKET		2 OF 2