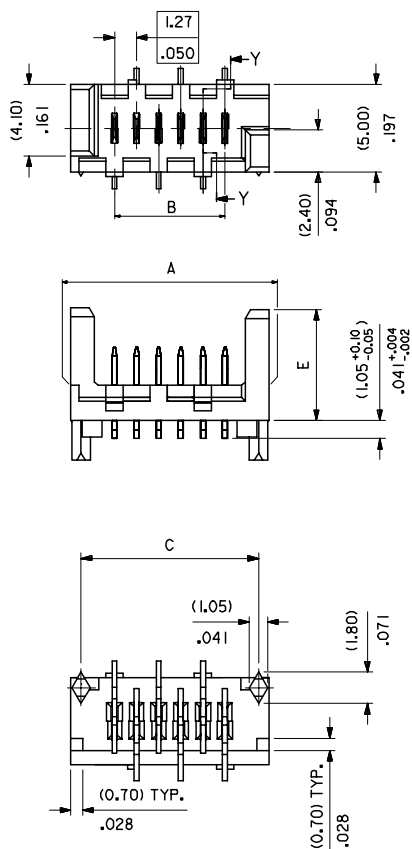




SECTION Y-Y

SEE NOTE 6

SEE NOTE 4

(SCALE 10:1)

NOTES:

- MATERIAL: HOUSING: NYLON 4/6 30% G.F., UL 94 V-0, NATURAL (BEIGE)
TERMINAL- CARTRIDGE BRASS (0.28)/0.11 REF THICK
- PLATING:
TIN: TIN (3-5UM)/120UM-200UM OVER (1.27UM)/5UM MIN NICKEL.
GOLD: (0.76UM)/30UM SELECTIVE GOLD AND
(0.10-0.20UM)/4UM-8UM GOLD FLASH OVER (1.27UM)/50UM
NICKEL UNDERCOAT
- MATES WITH MOLEX 90327 PART SERIES
- ALL SMT TAILS TO LIE WITHIN A COPLANARITY BAND OF
(0.0)/.0 - (0.15)/.006 REF. FROM EACH OTHER.
- FOR TAPE & REEL PACKAGING DETAILS SEE SDA-90814-9001
- PCB PEGS ARE OPTIONAL
- PCB LAYOUT SHOWN ON SHEET 2

90814 - **

CIRCUIT SIZE

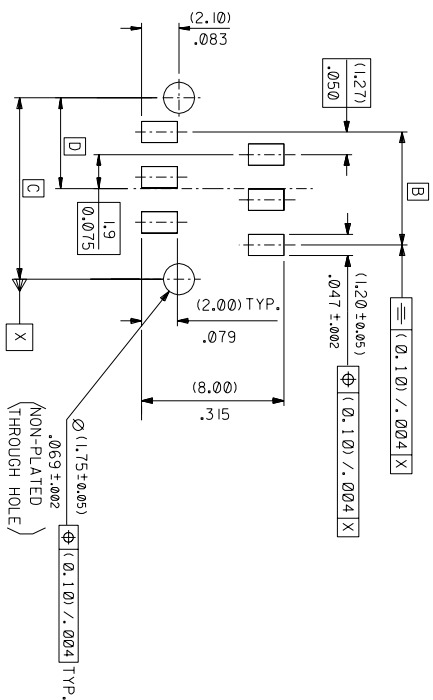
	PCB PEGS	TUBE PACKED	TAPE & REEL PACKED	POLARIZING PEG HEIGHT DIMN. E
0	YES	YES	NO	(6.40)/ .252
2	YES	NO	YES	(6.40)/ .252
3	NO	YES	NO	(6.40)/ .252
5	NO	NO	YES	(6.40)/ .252
6	NO	YES	NO	(4.10)/ .161
7	NO	NO	YES	(4.10)/ .161
8	YES	YES	NO	(4.10)/ .161
9	YES	NO	YES	(4.10)/ .161

0= (3-5UM)/120-200UM TIN VERSION

3= (0.76UM)/30UM GOLD VERSION

90814--34	34	(46.96)/.1849	(41.91)/.1650	(45.76)/.1802	10	NO
90814--26	26	(36.80)/.1449	(31.75)/.1250	(35.60)/.1402	14	YES
90814--24	24	(34.26)/.1349	(29.21)/.1150	(33.06)/.1302	15	YES
90814--22	22	(31.72)/.1249	(26.67)/.1050	(30.52)/.1202	16	YES
90814--20	20	(29.18)/.1149	(24.13)/.1050	(27.98)/.1102	18	YES
90814--18	18	(26.64)/.1049	(21.59)/.0850	(25.44)/.1002	20	YES
90814--16	16	(24.10)/.0949	(19.05)/.0750	(22.90)/.0902	22	YES
90814--14	14	(21.56)/.0849	(16.51)/.0650	(20.36)/.0802	25	YES
90814--12	12	(19.02)/.0749	(13.97)/.0550	(17.82)/.0702	28	YES
90814--10	10	(16.48)/.0649	(11.43)/.0450	(15.28)/.0602	32	YES
90814--08	8	(13.94)/.0549	(8.89)/.0350	(12.74)/.0502	38	YES
90814--06	6	(11.40)/.0449	(6.35)/.0250	(10.20)/.0402	46	YES
90814--04	4	(8.86)/.0349	(3.81)/.0150	(7.66)/.0302	60	YES
PART NO.	NUMBER OF CKTS	DIMN. A	DIMN. B	DIMN. C	QUANTITY OF PARTS PER TUBE (-0**/-3**/-6** & -8** VERSIONS)	TOOLED

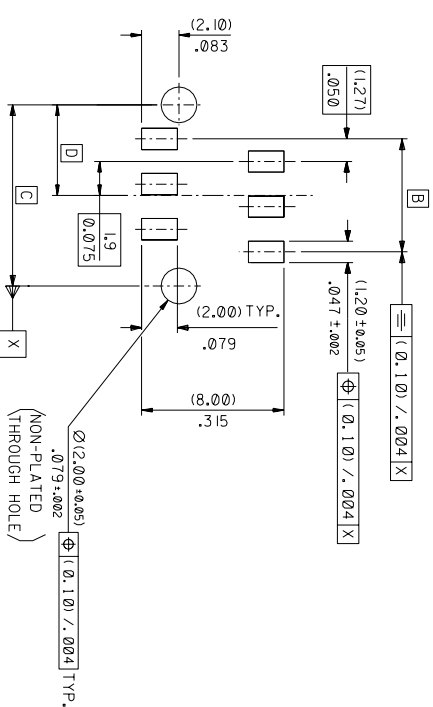
EDIT TUBE QUANTITY EC NO: E2006-0091 DRAWN: GMSWEN 2005/08/17 CHKD: DENNEHY 2005/08/17 APPR: DENNEHY 2005/08/25	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ± ---	INCH ± ---	DRAWN BY DMCNAMAR	DATE 2001/08/16	TITLE PICOFLEX SMT HEADER				
REV	DESCRIPTION	3 PLACES ± ---	±.004	CHECKED BY PCURTIN	DATE 2001/08/16	MOLEX INCORPORATED				
		2 PLACES ± 0.10	± ---	APPROVED BY MWILHITE	DATE 2001/08/16					
		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDA-90814		1 OF 2		
				SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



PCB THICKNESS = $(1.60 \pm 0.14) \cdot 0.063 \pm .006$

PCB LAYOUT FOR TRANSITION FIT WITH PCB PEGS

HEADER VERSIONS 90814-0xx/-x2xx/-x8xx/-x9xx,
VIEWED FROM COMPONENT SIDE



PCB THICKNESS = $(1.60 \pm 0.14) \cdot 0.063 \pm 0.006$

PCB LAYOUT FOR CLEARANCE FIT WITH PCB PEGS

HEADER VERSIONS 90814-0**/-2**/-8**/-9**,
VIEWED FROM COMPONENT SIDE

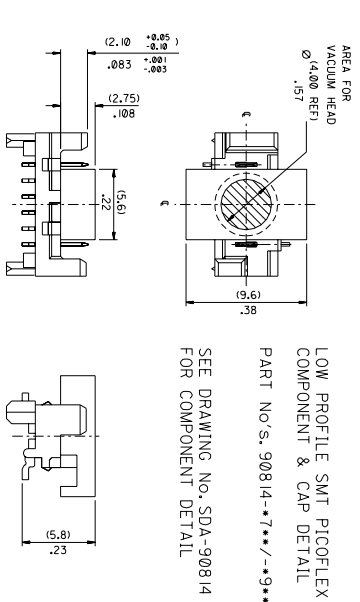
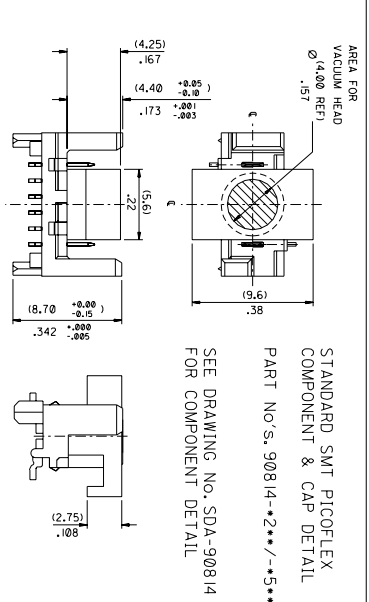
90814-***34	34	(4.19)/.1650	(45.76)/.1802	(22.88)/.3901
90814-***26	26	(3.15)/.1250	(35.60)/.1402	(17.80)/.701
90814-***24	24	(29.21)/.1150	(33.06)/.1302	(16.53)/.651
90814-***22	22	(26.67)/.1050	(30.55)/.1202	(15.26)/.601
90814-***20	20	(24.31)/.950	(27.99)/.1102	(13.99)/.551
90814-***18	18	(21.59)/.850	(25.44)/.1002	(12.72)/.501
90814-***16	16	(19.05)/.750	(22.90)/.902	(11.45)/.451
90814-***14	14	(16.51)/.650	(20.36)/.802	(10.18)/.401
90814-***12	12	(13.97)/.550	(17.82)/.702	(8.91)/.351
90814-***10	10	(11.43)/.450	(15.28)/.602	(7.64)/.301
90814-***08	8	(8.89)/.350	(12.74)/.502	(6.37)/.251
90814-***06	6	(6.35)/.250	(10.20)/.402	(5.10)/.201
90814-***04	4	(3.81)/.150	(7.66)/.302	(3.83)/.151
PART NO.	NUMBER OF CKTS	DIMN. B	DIMN. C	DIMN. D

PCB THICKNESS = $(1.60 \pm 0.14) \cdot 0.063 \pm .006$

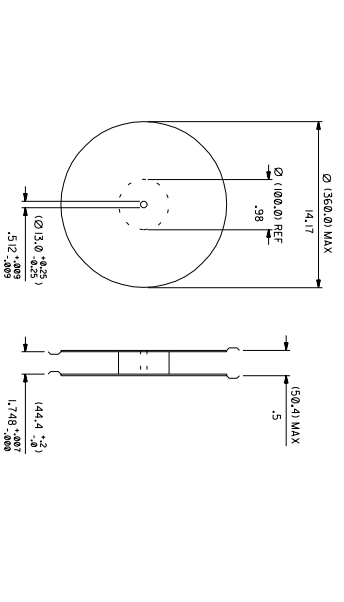
PCB LAYOUT FOR HEADERS WITHOUT PCB PEGS

HEADER VERSIONS 90814-3xx/-5xx/-6xx/-7xx,
VIEWED FROM COMPONENT SIDE

SEE SHEET 1									
EC NO. E2003-1158									
DRWN: JDENNEHY 03/04/30									
CHK: / /									
APPR: / /									
REV	DESCRIPTION								
N	QUALITY SYMBOLS		GENERAL TOLERANCES: (UNLESS SPECIFIED)						
	MAJOR = 0		CRITICAL = 0						
	C = 0								
	mm		INCH						
	4 PLACES ±0.		±.						
	3 PLACES ±0.10		±.						
	2 PLACES ±0.20		±.						
	1 PLACE ±0.20		±.						
	ANGULAR: ± 1/2 °								
	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.									

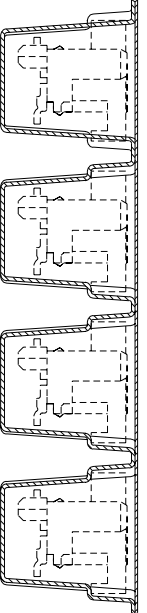
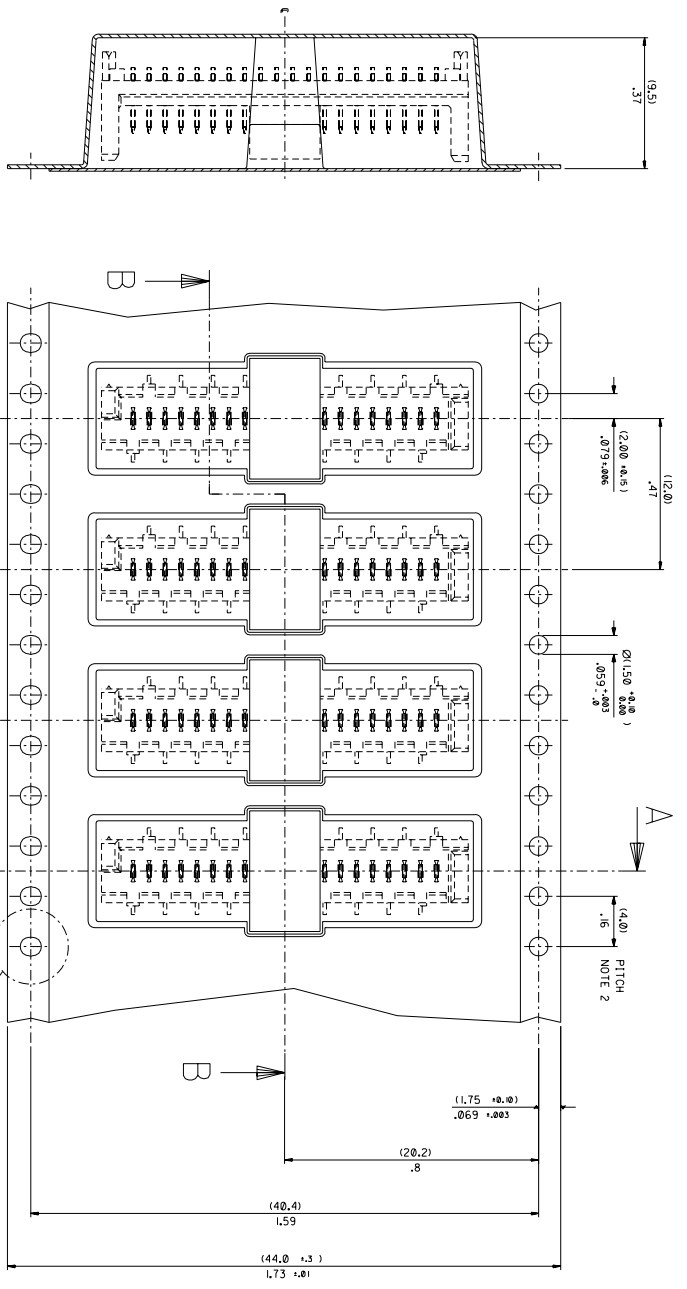


REFERENCE ONLY



(1800) PIECES ON A REEL
(THREE) REELS / CARBOARD BOX
(1800) PIECES IN THE CARBOARD BOX

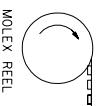
11	11	11
11	11	11
11	11	11



B - B

Scale 10:1

90814-220/-520/-720/-920	20
90814-218/-518/-718/-918	18
90814-216/-516/-716/-916	16
90814-214/-514/-714/-914	14
90814-212/-512/-712/-912	12
90814-210/-510/-710/-910	10
90814-208/-508/-708/-908	8
90814-206/-506/-706/-906	6
90814-204/-504/-704/-904	4
PART NO.	NUMBER OF PKTS



TO CUSTOMER
ASSEMBLY MACHINE

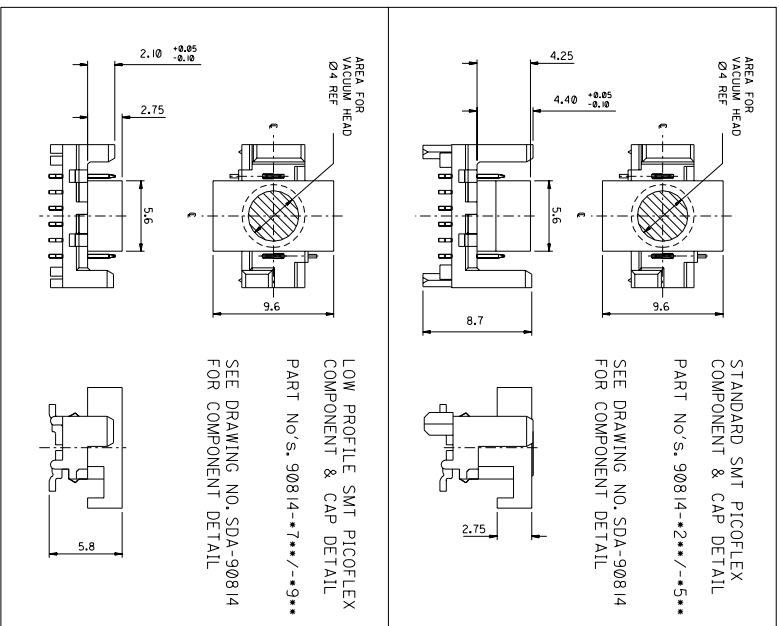
INCR POL PEG WDT
EC NO. 2003-1158
DRAWN: JENNEHY 03/04/30
CHK: APPR:

REV	DESCRIPTION	QUANTITY	GENERAL TOLERANCES:	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE	MATERIAL NO.	DRAWING NO.	SHEET NO.
1	MAJOR	10	UNLESS SPECIFIED:	1:1	MM	1:1	BLISTER PACKAGING FOR PICOFLEX (90814-2**/-5**/-7**/-9**)	90814-2001	SDA-90814-9001	1 OF 2
2	MINOR	10	1. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	2 OF 2
3	MINOR	10	2. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	3 OF 2
4	MINOR	10	3. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	4 OF 2
5	MINOR	10	4. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	5 OF 2
6	MINOR	10	5. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	6 OF 2
7	MINOR	10	6. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	7 OF 2
8	MINOR	10	7. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	8 OF 2
9	MINOR	10	8. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	9 OF 2
10	MINOR	10	9. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	10 OF 2
11	MINOR	10	10. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	11 OF 2
12	MINOR	10	11. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	12 OF 2
13	MINOR	10	12. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	13 OF 2
14	MINOR	10	13. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	14 OF 2
15	MINOR	10	14. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	15 OF 2
16	MINOR	10	15. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	16 OF 2
17	MINOR	10	16. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	17 OF 2
18	MINOR	10	17. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	18 OF 2
19	MINOR	10	18. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	19 OF 2
20	MINOR	10	19. PLACE	1:1	MM	1:1	MOLEX INCORPORATED	90814-2001	SDA-90814-9001	20 OF 2

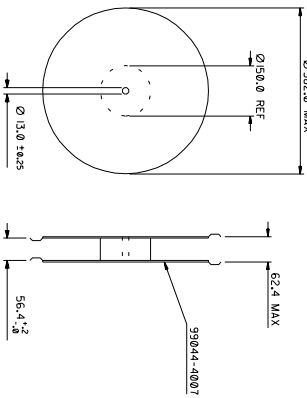
NOTES:
1) MATERIAL: VOLUME NON-CONDUCTIVE ANTISTATIC COATED POLYSTYRENE.
2) CARRIER TAPE: 1) CONDUCTIVE POLYSTYRENE (0.002 REF THICK, TRANSPARENT)
2) PITCH TO SPACING OVER ANY 10 PITCHES ± (0.02) 0.008
3) PITCH FORCE OF THE COVER TAPE IS 0.1N TO 1.0N
4) AT A MAXIMUM PEEL SPEED OF (300) 1.81/m/min±10%
5) PACKAGING SPEC. TBA
6) REFERENCE TO IEC 286-3

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.



REFERENCE ONLY

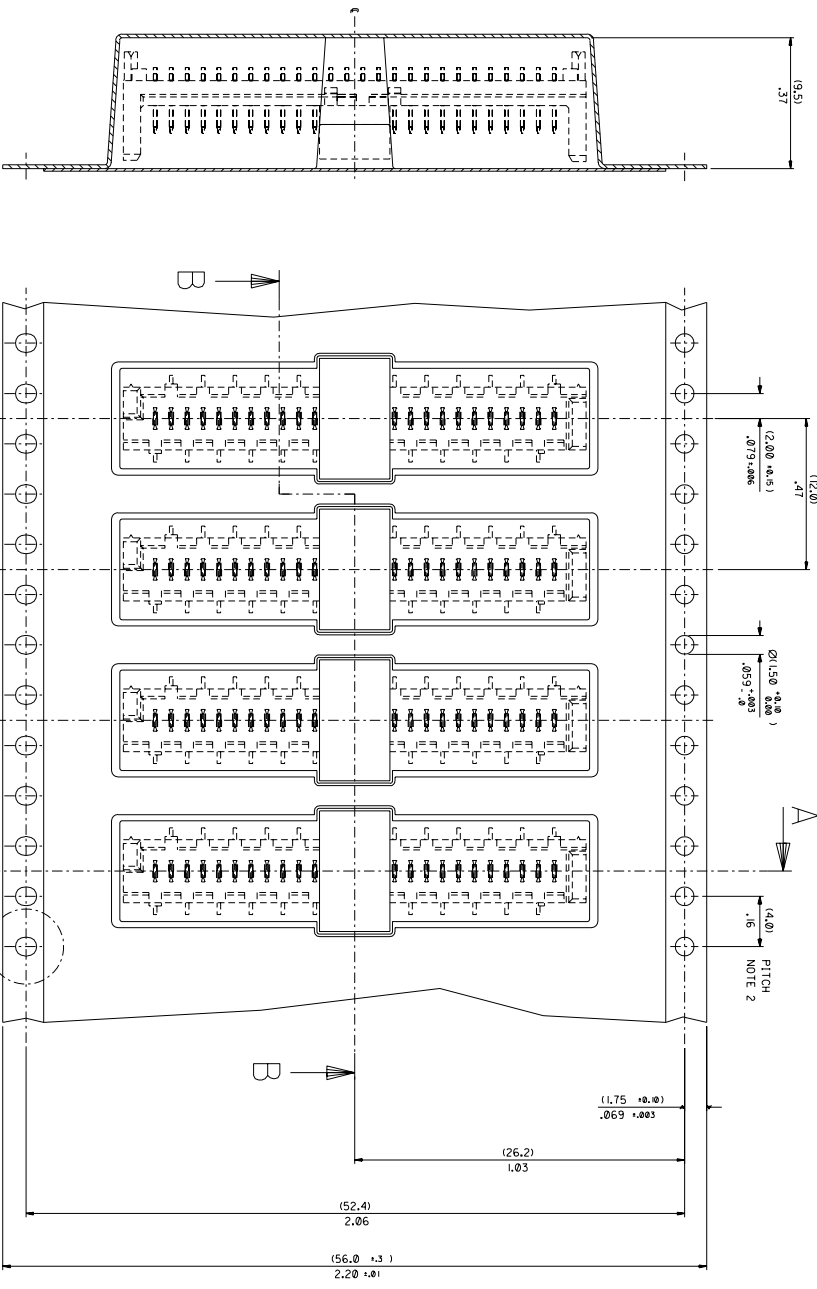


REEL DIMENSIONS

Scale 1:10

6000 PIECES PER REEL
1700 REELS / CARDBOARD BOX
12000 PIECES PER CARDBOARD BOX

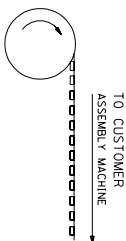
1	1
1	1
1	1
1	1



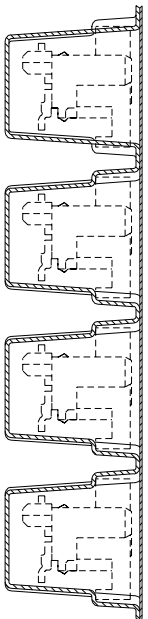
A - A

390814--226/--526/--726/--926	26
390814--224/--524/--724/--924	24
390814--222/--522/--722/--922	22
PART NO.	NUMBER OF CKTS

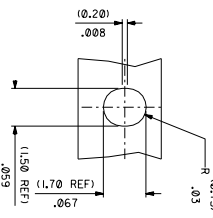
MOLEX REEL



DIRECTION OF UNREEING



B - B



Scale 10:1

- NOTES:
1. FOR MATERIAL SPECIFICATION SEE SHEET 1
 2. PITCH TOLERANCE OVER ANY 10 PITCHES IS $\pm (0.2) .008$
 3. ALL CAVITY WALLS HAVE DRAFT ANGLE UNLESS STATED OTHERWISE
 4. POCKET DIM'S TAKEN FROM BOTTOM INNER PROFILE
 5. ALL INTERNAL RAD R.0.3mm MAX. UNLESS STATED

REV	DESCRIPTION	THICKNESS	GENERAL TOLERANCES	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	SHEET NO.	REV
1	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	1	1
2	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	2	2
3	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	3	3
4	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	4	4
5	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	5	5
6	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	6	6
7	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	7	7
8	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	8	8
9	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	9	9
10	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	10	10
11	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	11	11
12	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	12	12
13	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	13	13
14	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	14	14
15	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	15	15
16	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	16	16
17	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	17	17
18	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	18	18
19	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	19	19
20	INCORPORATED	0.003	UNLESS SPECIFIED	5:1	MM	YES	20	20