

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0719733424](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch C-Grid® PCB Connector, Dual Row, Right Angle, Early Entry Receptacle, without Flange, 48 Circuits, Lead free

Documents:

3D Model	Product Specification PS-71973-9999 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	71973
Application	Board-to-Board
Overview	cgrid_sl_products
Product Name	C-Grid®

Physical

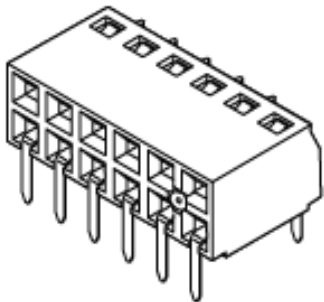
Circuits (Loaded)	48
Color - Resin	Black
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Compliant	No
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.120 In
PC Tail Length (mm)	3.05 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.90
Polarized to PCB	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	2A
Voltage - Maximum	250V

Material Info

Reference - Drawing Numbers



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

China RoHS



Not Reviewed

**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
[71973Series](#)

This document was generated on 05/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

10 9 8 7 6 5 4 3 2 1

NOTES:

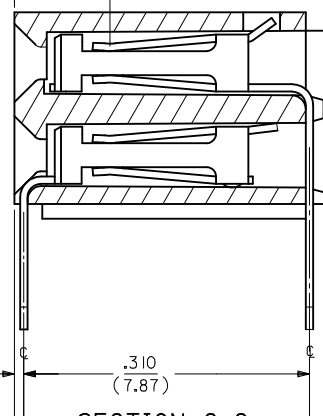
- 1.) MATERIAL -
INSULATOR - LCP, UL 94V-0, COLOR BLACK
CONTACTS - PHOSPHOR BRONZE
- 2.) SEE SHT. 5 & 6 FOR CHART DIMENSIONS AND EDP NO.'S
- 3.) RECOMMENDED MATING PIN LENGTH:
LOWER ROW - .200" MIN., .285" MAX.
UPPER ROW - .200" MIN.
- 4.) REFER TO PRODUCT SPECIFICATION PS-71973-9999 FOR PERFORMANCE DATA
- 5.) MANUFACTURED DATE CODE - YEAR, WEEK.
- 6.) PACKAGING: FOR THIS PRODUCT IN TUBES SEE SHT. 6 & 7
FOR THIS PRODUCT IN TRAYS SEE SHT. 8 & 9

FINISHES

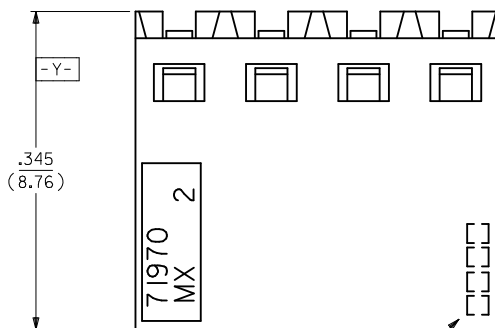
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.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000075 MINIMUM TIN PLATE IN SELECT AREA.
- 30 GOLD .000030 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000075 MINIMUM TIN PLATE IN SELECT AREA.
- 50 GOLD .000050 MINIMUM GOLD PLATE IN SELECT AREA OVER
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.105
(2.67)

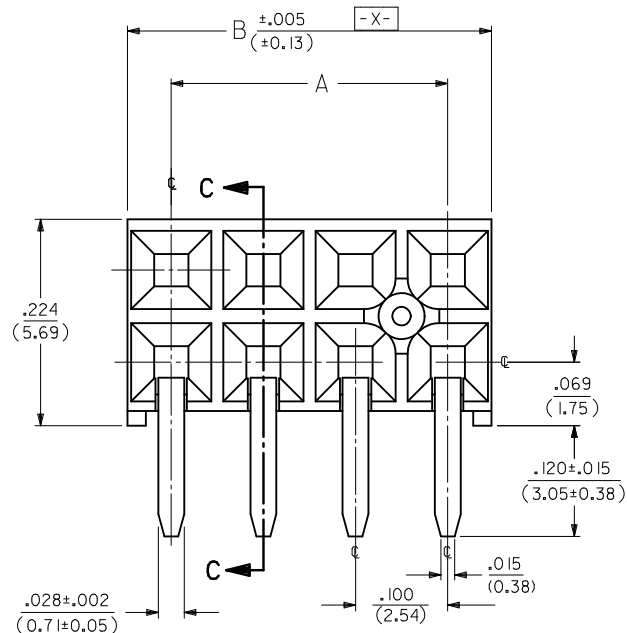
POINT OF
CONTACT



SECTION C-C



4 DIGIT DATE CODE
SEE NOTE 5

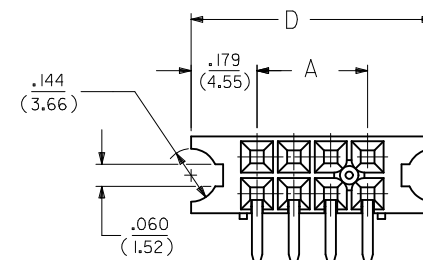
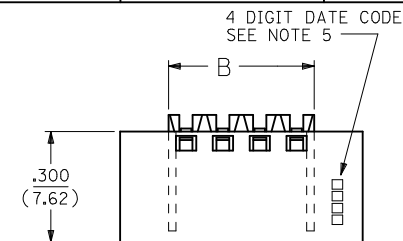


- ⊕ Ø.015(5) TAIL TO TAIL
⊕ Ø.020(5) X(5) Y(5) TAIL TO INSULATOR

OPTION "A" ASSEMBLY
STANDARD HOUSING

NOTE FOR LEAD FREE CONVERSION:

THE PRIMARY SHIPPING CARTON WILL BE
LABELED "COMPLIANT TO RoHS DIRECTIVE
2002/95/EC AND ELV ANNEX II OF
DIRECTIVE 2000/53/EC". CARTONS WITHOUT
THIS LABEL MAY CONTAIN PRODUCT WITH
LEAD.



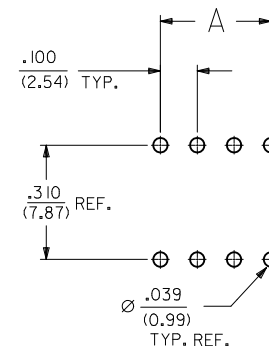
OPTION "B" ASSEMBLY
STD. HOUSING W/MOUNTING EARS

SCALE 4:1

REFER TO OPT. A FOR ALL OTHER INFORMATION

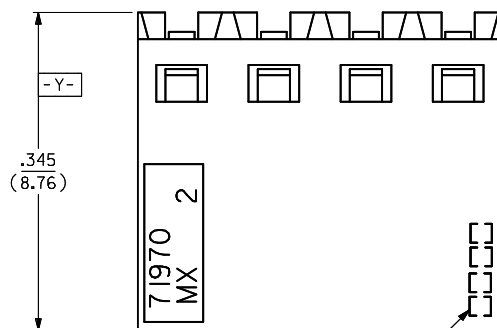
OPTION "J" ASSEMBLY

OPTION "J" IS THE SAME AS OPTION "B" EXCEPT
DATE CODE IS NOT STAMPED ON HOUSING.

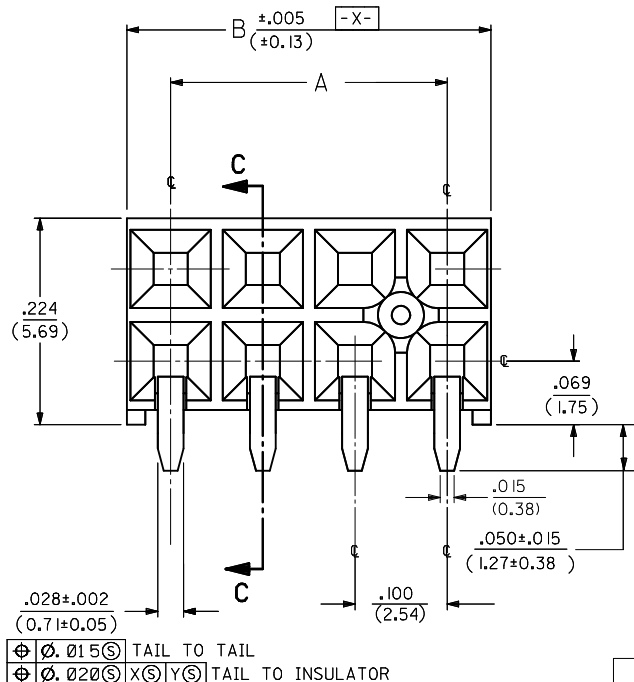


RECOMMENDED P.C.B.
LAYOUT

ADD OPTION K & L EC NO: S2010-0534 DRWN:SKANG 2009/12/30 CHKD:ATSEE 2010/01/08 APPR:MLONG 2010/01/14 K	QUALITY SYMBOLS F_A=0 F_C=0 F_P=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE NTS	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY DJB	DATE 1991/10/21	TITLE EARLY ENTRY R/A RECPT .120"PC TAIL W/O LOWER ROW PINSTOP-.100" GRID MOLEX INCORPORATED			
			4 PLACES	± ---	± ---	CHECKED BY DJB	DATE 1991/10/21				
			3 PLACES	± ---	± .010						
			2 PLACES	± 0.25	± ---						
			1 PLACE	± ---	± ---	APPROVED BY MLONG	DATE 2010/01/14				
			ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.	SHEET NO.			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SDA-71973-****			1 OF 26	
					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



4 DIGIT DATE CODE
SEE NOTE 5



OPTION "C" ASSEMBLY
STANDARD HOUSING

NOTE FOR LEAD FREE CONVERSION:
THE PRIMARY SHIPPING CARTON WILL BE
LABELED "COMPLIANT TO RoHS DIRECTIVE
2002/95/EC AND ELV ANNEX II OF
DIRECTIVE 2000/53/EC". CARTONS WITHOUT
THIS LABEL MAY CONTAIN PRODUCT WITH
LEAD.

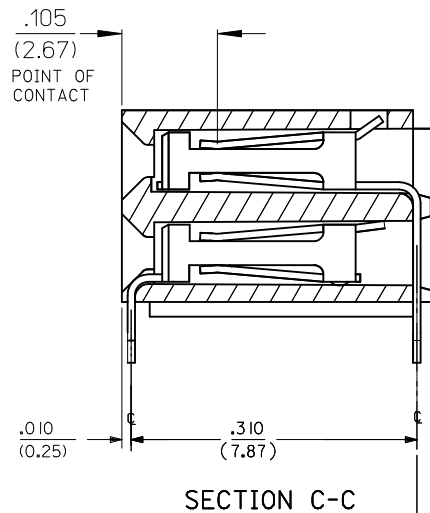
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Rev. F 2009/06/18

NOTES:

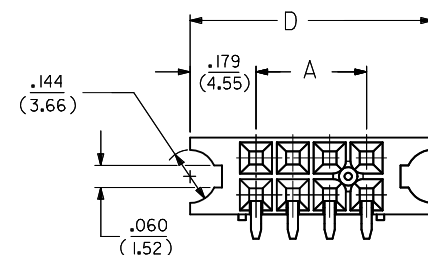
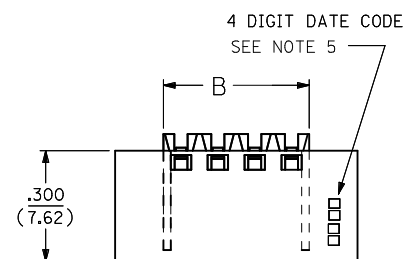
- 1.) MATERIAL-
INSULATOR - LCP, UL 94V-0, COLOR BLACK
CONTACTS - PHOSPHOR BRONZE
- 2.) SEE SHT. 9 & 10 FOR CHART DIMENSIONS AND EDP NO.'S
- 3.) RECOMMENDED MATING PIN LENGTH:
LOWER ROW - .200" MIN., .285" MAX.
UPPER ROW - .200" MIN.
- 4.) REFER TO PRODUCT SPECIFICATION PS-71973-9999 FOR
PERFORMANCE DATA
- 5.) MANUFACTURED DATE CODE - YEAR, WEEK.
- 6.) PACKAGING: FOR THIS PRODUCT IN TUBES SEE SHT. 10 & 11
FOR THIS PRODUCT IN TRAYS SEE SHT. 12 & 13

FINISHES

- | | |
|---------|--|
| 15 GOLD | .000015 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000075 MINIMUM TIN PLATE IN SELECT AREA. |
| 30 GOLD | .000030 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000075 MINIMUM TIN PLATE IN SELECT AREA. |
| 50 GOLD | .000050 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000100 MINIMUM TIN PLATE IN SELECT AREA. |

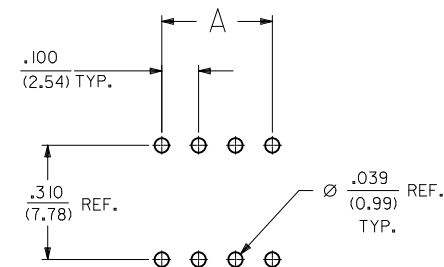


SECTION C-C



OPTION "D" ASSEMBLY
STD. HOUSING W/MOUNTING EARS
SCALE 4:1

REFER TO OPT. C FOR ALL OTHER INFORMATION



RECOMMENDED P.C.B. LAYOUT

ADD OPTION K & L		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: S2010-0534		2009/12/30		mm		IN/MM		NTS		INCH			
DRWN:SKANG		2010/01/08		4 PLACES		DRAWN BY		DATE		TITLE			
CHKD:ATSEE		2010/01/14		3 PLACES		CHECKED BY		DATE		DATE			
APPR:MLONG		2010/01/14		2 PLACES		APPROVED BY		DATE		DATE			
				1 PLACE		MLONG		2010/01/14		molex			
				ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SDA-71973-****			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE							
						SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
						A3							

EARLY ENTRY R/A RECPT
.120"PC TAIL W/O LOWER
ROW PINSTOP-.100" GRID

MOLEX INCORPORATED

SDA-71973-****

SHEET NO.

2 OF 26

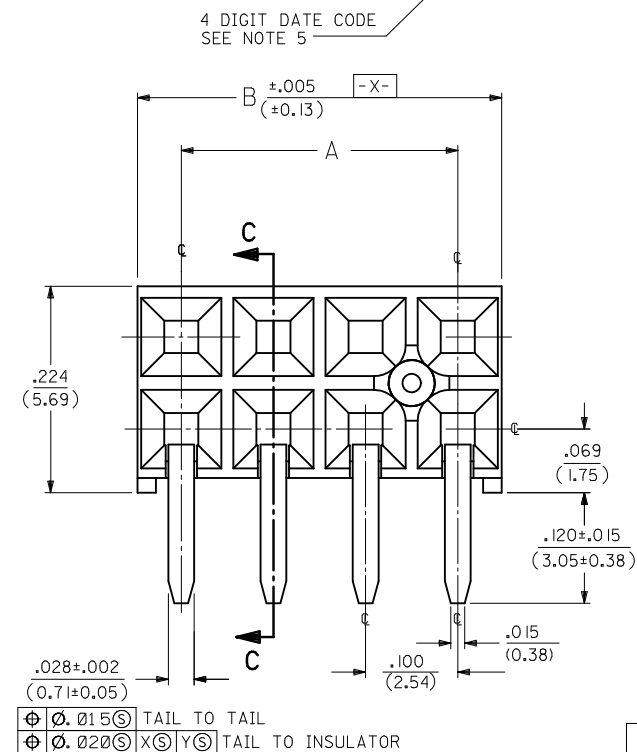
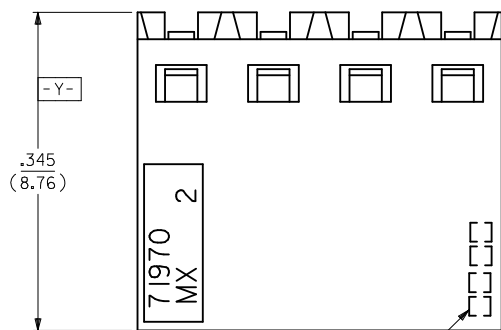
10 9 8 7 6 5 4 3 2 1

NOTES:

- 1.) MATERIAL -
INSULATOR - LCP, UL 94V-0, COLOR BLACK
CONTACTS - PHOSPHOR BRONZE
- 2.) SEE SHT. 13 & 14 FOR CHART DIMENSIONS AND EDP NO.'S
- 3.) RECOMMENDED MATING PIN LENGTH:
LOWER ROW - .200" MIN., .250" MAX.
UPPER ROW - .200" MIN.
- 4.) REFER TO PRODUCT SPECIFICATION PS-71973-9999 FOR PERFORMANCE DATA
- 5.) MANUFACTURED DATE CODE - YEAR, WEEK.
- 6.) PACKAGING: FOR THIS PRODUCT IN TUBES SEE SHT. 14 & 15
FOR THIS PRODUCT IN TRAYS SEE SHT. 16 & 17

FINISHES

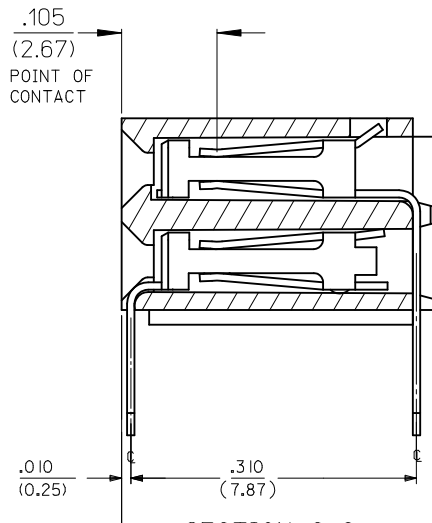
- 15 GOLD .000015 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000075 MINIMUM TIN PLATE IN SELECT AREA.
- 30 GOLD .000030 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000075 MINIMUM TIN PLATE IN SELECT AREA.
- 50 GOLD .000050 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000100 MINIMUM TIN PLATE IN SELECT AREA.



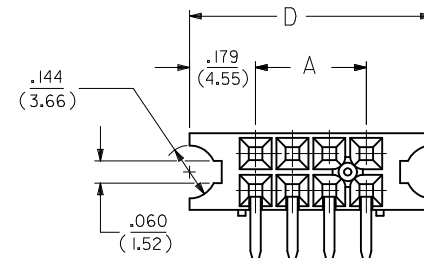
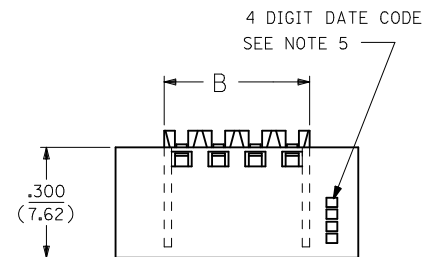
OPTION "E" ASSEMBLY
STANDARD HOUSING

NOTE FOR LEAD FREE CONVERSION:

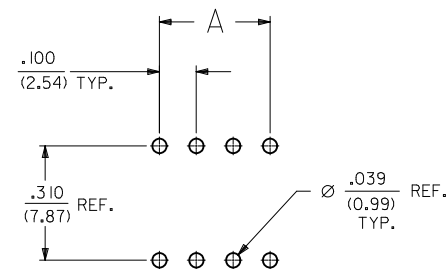
THE PRIMARY SHIPPING CARTON WILL BE
LABELED "COMPLIANT TO ROHS DIRECTIVE
2002/95/EC AND ELV ANNEX II OF
DIRECTIVE 2000/53/EC". CARTONS WITHOUT
THIS LABEL MAY CONTAIN PRODUCT WITH
LEAD.



SECTION C-C



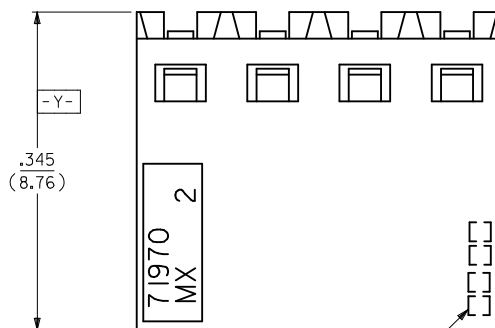
OPTION "F" ASSEMBLY
STD. HOUSING W/MOUNTING EARS
AND LOWER ROW PINSTOP
SCALE 4:1
REFER TO OPT. E FOR ALL OTHER INFORMATION



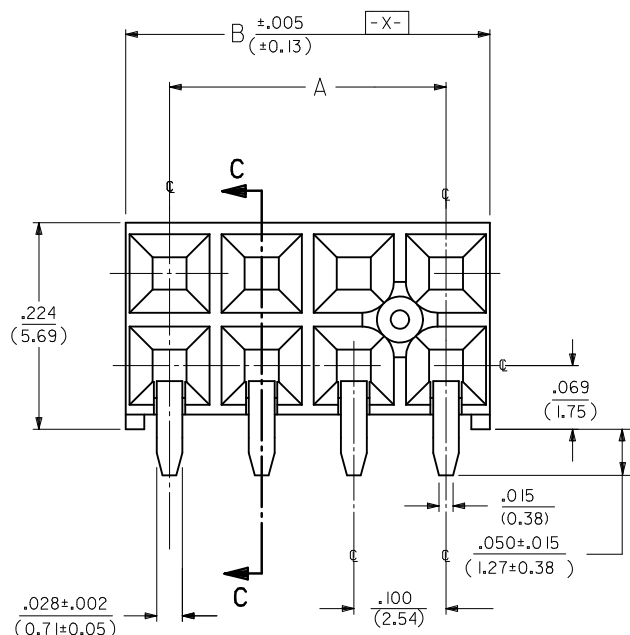
RECOMMENDED P.C.B. LAYOUT

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
		IN/MM		NTS		INCH			
		mm	INCH	DRAWN BY	DATE	TITLE			
4 PLACES		± .010	± .010	DJB	1991/10/21	EARLY ENTRY R/A RECPT .120"PC TAIL W/O LOWER ROW PINSTOP-.100" GRID MOLEX INCORPORATED		SHEET NO. 3 OF 26	
3 PLACES		± .010	± .010	CHECKED BY	DATE				
2 PLACES		± .010	± .010	DJB	1991/10/21				
1 PLACE		± .010	± .010	APPROVED BY	DATE				
ANGULAR ± 1/2°				MLONG	2010/01/14	DOCUMENT NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MATERIAL NO.		SDA-71973-****			
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

10 9 8 7 6 5 4 3 2 1



4 DIGIT DATE CODE
SEE NOTE 5



⊕ .015 (5) TAIL TO TAIL
⊕ .020 (5) X (5) Y (5) TAIL TO INSULATOR

OPTION "G" ASSEMBLY STANDARD HOUSING

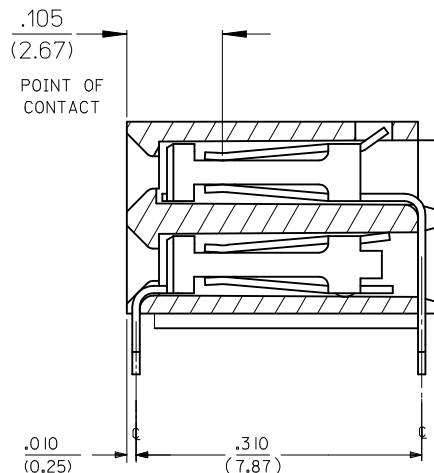
NOTE FOR LEAD FREE CONVERSION:

THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.

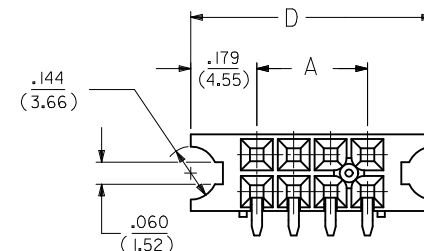
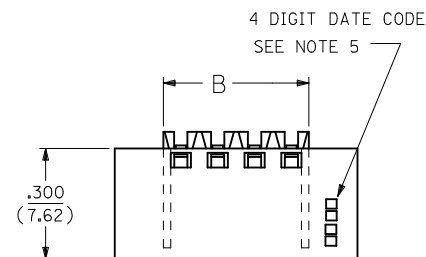
- NOTES:**
- 1.) MATERIAL -
INSULATOR - LCP, UL 94V-0, COLOR BLACK
CONTACTS - PHOSPHOR BRONZE
 - 2.) SEE SHT. 17 & 18 FOR CHART DIMENSIONS AND EDP NO.'S
 - 3.) RECOMMENDED MATING PIN LENGTH:
LOWER ROW - .200" MIN., .250" MAX.
UPPER ROW - .200" MIN.
 - 4.) REFER TO PRODUCT SPECIFICATION PS-71973-9999 FOR PERFORMANCE DATA
 - 5.) MANUFACTURED DATE CODE - YEAR, WEEK.
 - 6.) PACKAGING: FOR THIS PRODUCT IN TUBES SEE SHT. 18 & 19
FOR THIS PRODUCT IN TRAYS SEE SHT. 20 & 21

FINISHES

- 15 GOLD .000015 MINIMUM GOLD PLATE IN SELECT AREA OVER .000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH .000075 MINIMUM TIN PLATE IN SELECT AREA.
- 30 GOLD .000030 MINIMUM GOLD PLATE IN SELECT AREA OVER .000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH .000075 MINIMUM TIN PLATE IN SELECT AREA.
- 50 GOLD .000050 MINIMUM GOLD PLATE IN SELECT AREA OVER .000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH .000100 MINIMUM TIN PLATE IN SELECT AREA.

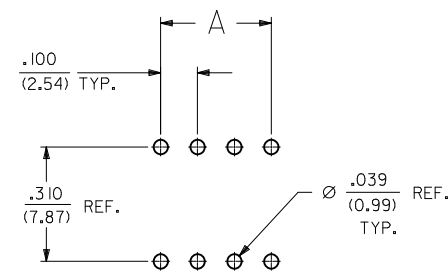


SECTION C-C



OPTION "H" ASSEMBLY STD. HOUSING W/MOUNTING EARS AND LOWER PINSTOP SCALE 4:1

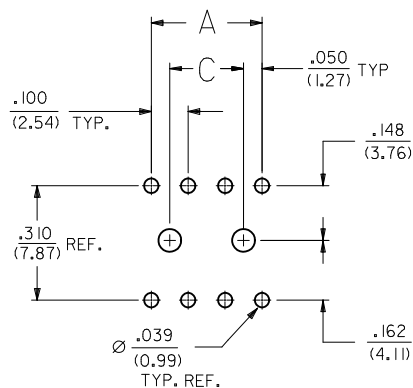
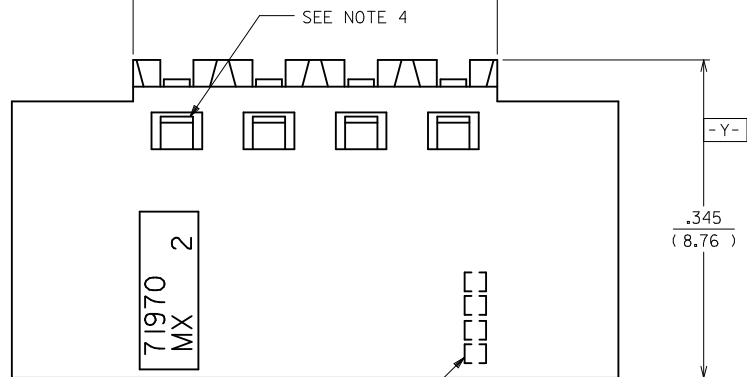
REFER TO OPT. G FOR ALL OTHER INFORMATION



RECOMMENDED P.C.B. LAYOUT

ADD OPTION K & L EC NO: S2010-0534 2009/12/30 DRWN:SKANG CHKD:ATSEE 2010/01/08 APPR:MLONG 2010/01/14	QUALITY SYMBOLS FA=0 FE=0 FP=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE IN/MM		SCALE NTS	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION	
			mm		INCH		DRAWN BY DJB	DATE 1991/10/21	TITLE EARLY ENTRY R/A RECPT .120"PC TAIL W/O LOWER ROW PINSTOP-.100" GRID			
			4 PLACES ± --- ± ---		CHECKED BY DJB		DATE 1991/10/21					
			3 PLACES ± --- ± .010		APPROVED BY MLONG		DATE 2010/01/14					
			2 PLACES ± 0.25 ± ---		MATERIAL NO.		DOCUMENT NO.					SHEET NO.
			1 PLACE ± --- ± ---		SEE TABLE		SDA-71973-****		4 OF 26			
			ANGULAR ±1/2°									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

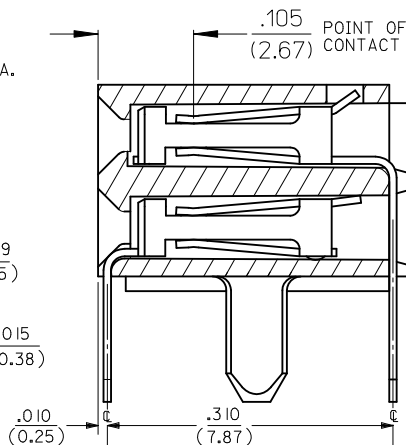
10 9 8 7 6 5 4 3 2 1



RECOMMENDED P.C.B.
LAYOUT

SCALE 4:1

SECTION D-D



NOTES:

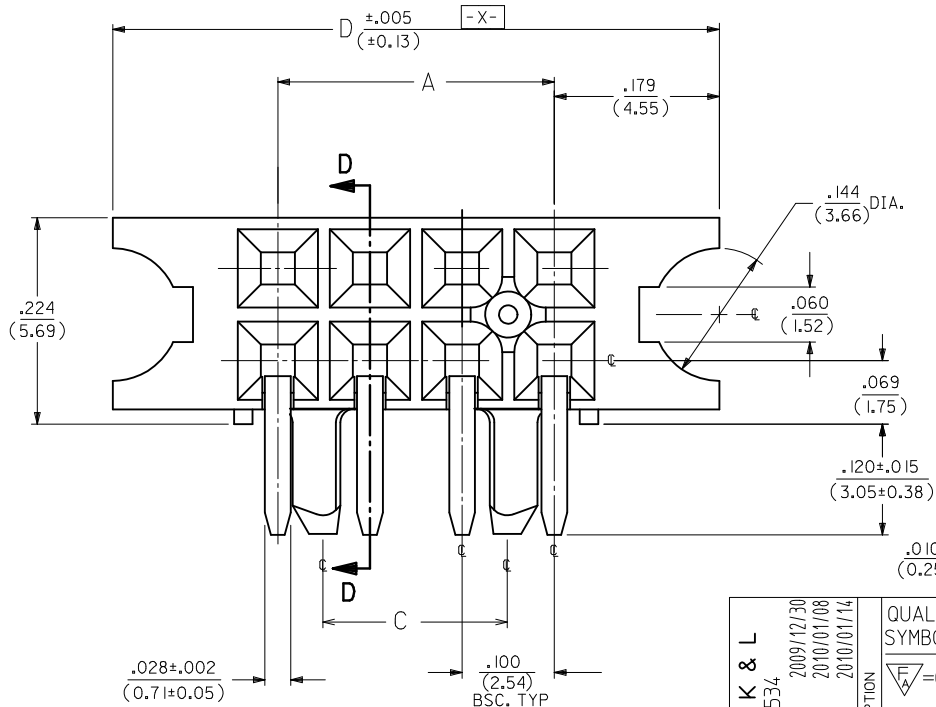
- 1.) MATERIAL -
INSULATOR - LCP, UL 94V-0, COLOR BLACK
CONTACTS - PHOSPHOR BRONZE
- 2.) SEE SHT. 22 FOR CHART DIMENSIONS AND ITEM NO.'S
- 3.) RECOMMENDED MATING PIN LENGTH:
LOWER ROW - .200" MINIMUM, .285" MAX.
UPPER ROW - .200" MINIMUM
- 4.) REFER TO PRODUCT SPECIFICATION PS-71973-9999 FOR PERFORMANCE DATA
- 5.) MANUFACTURED DATE CODE - YEAR, WEEK.
- 6.) PACKAGING: FOR THIS PRODUCT IN TUBES SEE SHT. 22

FINISHES PER ES-88-(***)

- 15 GOLD .000015 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000075 MINIMUM TIN PLATE IN SELECT AREA.
- 30 GOLD .000030 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000075 MINIMUM TIN PLATE IN SELECT AREA.
- 50 GOLD .000050 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000100 MINIMUM TIN PLATE IN SELECT AREA.

NOTE FOR LEAD FREE CONVERSION:

THE PRIMARY SHIPPING CARTON WILL BE
LABELED "COMPLIANT TO RoHS DIRECTIVE
2002/95/EC AND ELV ANNEX II OF
DIRECTIVE 2000/53/EC". CARTONS WITHOUT
THIS LABEL MAY CONTAIN PRODUCT WITH
LEAD.



.028±.002
(0.71±0.05)
Ø .015 TAIL TO TAIL
Ø .020 X S Y TAIL TO INSULATOR
(SEE NOTE 7)

OPTION "I" ASSEMBLY

STANDARD HOUSING W/ PEGS AND MOUNTING EARS

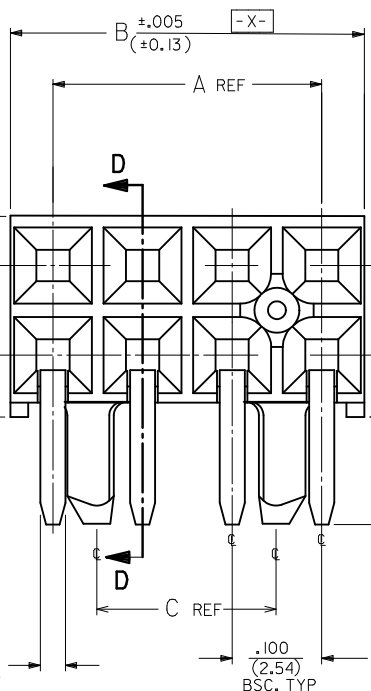
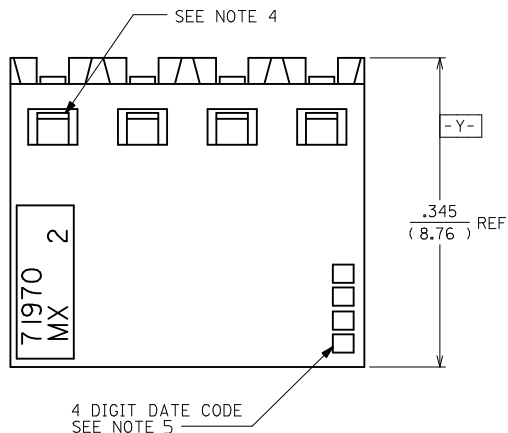
ADD OPTION K & L EC NO: S2010-0534 2009/12/30 DRWN:SKANG CHKD:ATSEE 2010/01/08 APPR:MLONG 2010/01/14	QUALITY SYMBOLS FA=0 FC=0 FP=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
			mm	INCH	DRAWN BY DJB	DATE 1991/10/21	TITLE EARLY ENTRY R/A RECPT .120"PC TAIL W/O LOWER ROW PINSTOP-.100" GRID		
			4 PLACES ± ---	± ---	CHECKED BY DJB	DATE 1991/10/21			
			3 PLACES ± ---	± .010	APPROVED BY MLONG		DATE 2010/01/14	MOLEX INCORPORATED	
			2 PLACES ± 0.25	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SDA-71973-****		
K	REV		ANGULAR ±1/2°						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

FINISHES

- 15 GOLD .000015 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000075 MINIMUM TIN PLATE IN SELECT AREA.
- 30 GOLD .000030 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000075 MINIMUM TIN PLATE IN SELECT AREA.
- 50 GOLD .000050 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000100 MINIMUM TIN PLATE IN SELECT AREA.

NOTES:

- 1.) MATERIAL-
INSULATOR - LCP, UL 94V-0, COLOR BLACK
CONTACTS - PHOSPHOR BRONZE
- 2.) SEE SHT.25 FOR CHART DIMENSIONS AND ITEM NO.'S
- 3.) RECOMMENDED MATING PIN LENGTH:
LOWER ROW - .200" MINIMUM, .285" MAX.
UPPER ROW - .200" MINIMUM
- 4.) REFER TO PRODUCT SPECIFICATION PS-71973-9999 FOR PERFORMANCE DATA
- 5.) MANUFACTURED DATE CODE - YEAR, WEEK.
- 6.) PACKAGING: FOR THIS PRODUCT IN TUBES SEE SHT.25

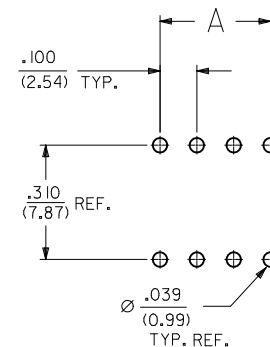
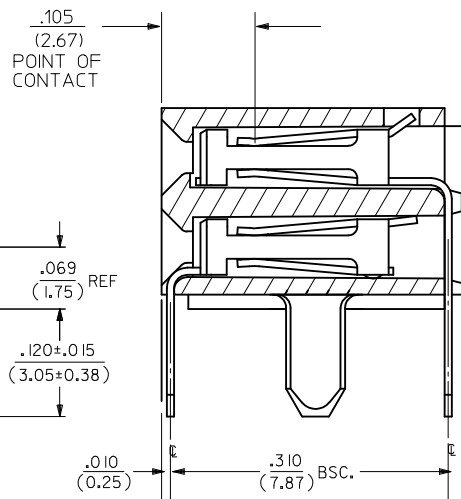


.028±.002
(0.71±0.05)

⊕ Ø .015 ⊕ TAIL TO TAIL
⊕ Ø .020 ⊕ X ⊕ Y ⊕ TAIL TO INSULATOR
(SEE NOTE 8)

OPTION "K" ASSEMBLY
STANDARD HOUSING W/ PEGS

SECTION D-D



RECOMMENDED P.C.B.
LAYOUT

ADD OPTION K & L		QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
EC NO:	DRWN:SKANG		mm	INCH	IN/MM	DATE			
NO: S2010-0534	2009/12/30	$F_A=0$	4 PLACES	± ---	± ---	DJB	1991/10/21	NTS	INCH
CHYD:ATSEE	2010/01/08	$F_G=0$	3 PLACES	± ---	± .010	CHECKED BY	DATE		
APPR:MLONG	2010/01/14	$F_P=0$	2 PLACES	± 0.25	± ---	DJB	1991/10/21		
			1 PLACE	± ---	± ---	APPROVED BY	DATE		
			ANGULAR ± 1/2°		MLONG	2010/01/14			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		
					SEE TABLE		SDA-71973-****		
					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

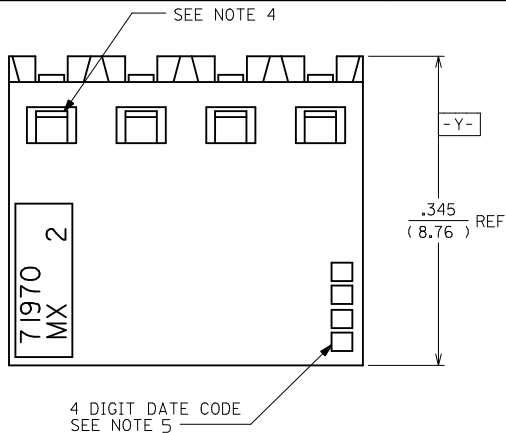
E

D

C

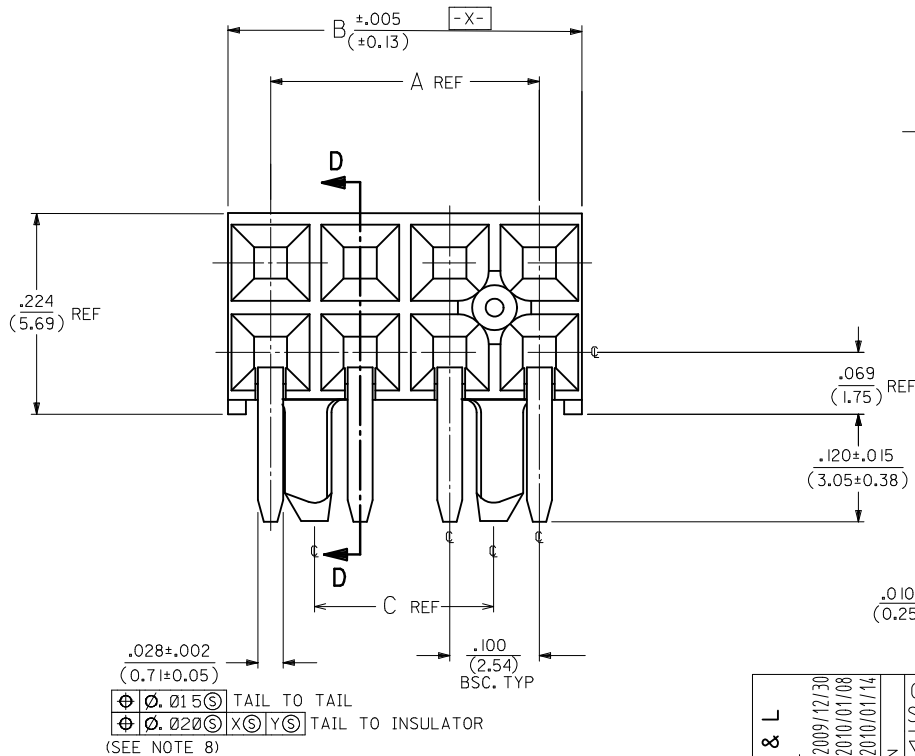
B

A

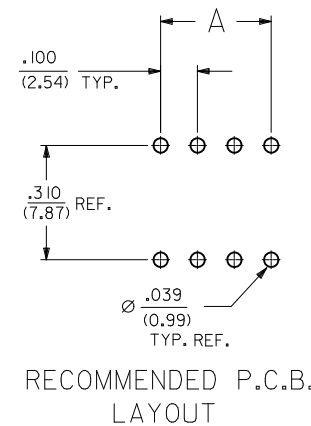
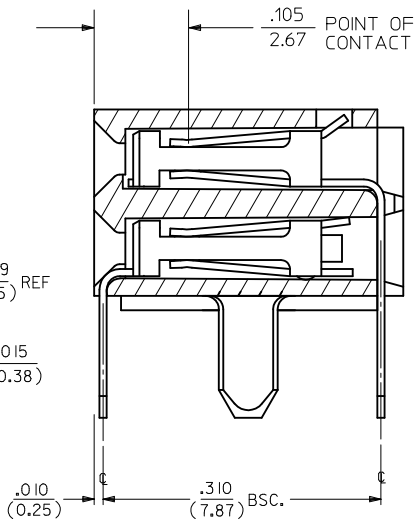


- FINISHES
- 15 GOLD .000015 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000075 MINIMUM TIN PLATE IN SELECT AREA.
- 30 GOLD .000030 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000075 MINIMUM TIN PLATE IN SELECT AREA.
- 50 GOLD .000050 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000100 MINIMUM TIN PLATE IN SELECT AREA.

- NOTES:
- 1.) MATERIAL-
INSULATOR - LCP, UL 94V-0, COLOR BLACK
CONTACTS - PHOSPHOR BRONZE
- 2.) SEE SHT. 22 FOR CHART DIMENSIONS AND ITEM NO.'S
- 3.) RECOMMENDED MATING PIN LENGTH:
LOWER ROW - .200" MINIMUM, .250" MAX.
UPPER ROW - .200" MINIMUM
- 4.) REFER TO PRODUCT SPECIFICATION PS-71973-9999 FOR
PERFORMANCE DATA
- 5.) MANUFACTURED DATE CODE - YEAR, WEEK.
- 6.) PACKAGING: FOR THIS PRODUCT IN TUBES SEE SHT. 26



SECTION D-D



OPTION "L" ASSEMBLY
STANDARD HOUSING W/ PEGS

ADD OPTION K & L EC NO: S2010-0534 2009/12/30 DRWN:SKANG CHKD:ATSEE 2010/01/08 APPR:MLONG 2010/01/14	DESCRIPTION	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY DJB	DATE 1991/10/21	TITLE EARLY ENTRY R/A RECPT .120"PC TAIL W/O LOWER ROW PINSTOP-.100" GRID	
			4 PLACES	± ---	± ---	CHECKED BY	DATE		
			3 PLACES	± ---	± .010	DJB	1991/10/21		
			2 PLACES	± 0.25	± ---	APPROVED BY MLONG		DATE 2010/01/14	MOLEX MOLEX INCORPORATED
1 PLACE	± ---	± ---	MATERIAL NO.		DOCUMENT NO.	SHEET NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE			SDA-71973-****		7 OF 26	
K	REV		SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

9 8 7 6 5 4 3 2 1

10		9		8		7		6		5		4		3		2		1									
NO. OF CKTS		OPTION A ASSEMBLY PACKAGED IN TUBES PER PK-70873-0138 (SEE SHEET I FOR FINISH SPECIFICATIONS)						DIMENSION				NO. OF CKTS		OPTION A ASSEMBLY PACKAGED IN TUBES PER PK-70873-0138 (SEE SHEET I FOR FINISH SPECIFICATIONS)						DIMENSION							
PER ROW	TOTAL			15 GOLD		30 GOLD		50 GOLD		A	B					15 GOLD		30 GOLD		50 GOLD		A	B				
4	8				71973-0204	71973-0304	71973-0404	.300 (7.62)	.395 (10.03)								71973-0233	71973-0333	71973-0433	3.200 (81.28)	3.295 (83.69)						
5	10				71973-0205	71973-0305	71973-0405	.400 (10.16)	.495 (12.57)								71973-0234	71973-0334	71973-0434	3.300 (83.82)	3.395 (86.23)						
6	12				71973-0206	71973-0306	71973-0406	.500 (12.70)	.595 (15.11)								71973-0235	71973-0335	71973-0435	3.400 (86.36)	3.495 (88.77)						
7	14				71973-0207	71973-0307	71973-0407	.600 (15.24)	.695 (17.65)								71973-0236	71973-0336	71973-0436	3.500 (88.90)	3.595 (91.31)						
8	16				71973-0208	71973-0308	71973-0408	.700 (17.78)	.795 (20.19)																		
9	18				71973-0209	71973-0309	71973-0409	.800 (20.32)	.895 (22.73)																		
10	20				71973-0210	71973-0310	71973-0410	.900 (22.86)	.995 (25.27)																		
11	22				71973-0211	71973-0311	71973-0411	1.000 (25.40)	1.095 (27.81)																		
12	24				71973-0212	71973-0312	71973-0412	1.100 (27.94)	1.195 (30.35)																		
13	26				71973-0213	71973-0313	71973-0413	1.200 (30.48)	1.295 (32.89)																		
14	28				71973-0214	71973-0314	71973-0414	1.300 (33.02)	1.395 (35.43)																		
15	30				71973-0215	71973-0315	71973-0415	1.400 (35.56)	1.495 (37.97)																		
16	32				71973-0216	71973-0316	71973-0416	1.500 (38.10)	1.595 (40.51)																		
17	34				71973-0217	71973-0317	71973-0417	1.600 (40.64)	1.695 (43.05)																		
18	36				71973-0218	71973-0318	71973-0418	1.700 (43.18)	1.795 (45.59)																		
19	38				71973-0219	71973-0319	71973-0419	1.800 (45.72)	1.895 (48.13)																		
20	40				71973-0220	71973-0320	71973-0420	1.900 (48.26)	1.995 (50.67)																		
21	42				71973-0221	71973-0321	71973-0421	2.000 (50.80)	2.095 (53.21)																		
22	44				71973-0222	71973-0322	71973-0422	2.100 (53.34)	2.195 (55.75)																		
23	46				71973-0223	71973-0323	71973-0423	2.200 (55.88)	2.295 (58.29)																		
24	48				71973-0224	71973-0324	71973-0424	2.300 (58.42)	2.395 (60.83)																		
25	50				71973-0225	71973-0325	71973-0425	2.400 (60.96)	2.495 (63.37)																		
26	52				71973-0226	71973-0326	71973-0426	2.500 (63.50)	2.595 (65.91)																		
27	54				71973-0227	71973-0327	71973-0427	2.600 (66.04)	2.695 (68.45)																		
28	56				71973-0228	71973-0328	71973-0428	2.700 (68.58)	2.795 (70.99)																		
29	58				71973-0229	71973-0329	71973-0429	2.800 (71.12)	2.895 (73.53)																		
30	60				71973-0230	71973-0330	71973-0430	2.900 (73.66)	2.995 (76.07)																		
31	62				71973-0231	71973-0331	71973-0431	3.000 (76.20)	3.095 (78.61)																		
32	64				71973-0232	71973-0332	71973-0432	3.100 (78.74)	3.195 (81.15)																		
ADD OPTION K & L EC NO: S2010-0534 DRWN:SKANG 2009/12/30 CHKD:ATSEE 2010/01/08 APPR:MLONG 2010/01/14 K										QUALITY SYMBOLS F=0 F=0 F=0		GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± --- 1 PLACE ± --- ± --- ANGULAR ± 1/2°		DIMENSION STYLE IN/MM DRAWN BY DATE DJB 1991/10/21 CHECKED BY DATE DJB 1991/10/21 APPROVED BY DATE MLONG 2010/01/14		SCALE NTS TITLE EARLY ENTRY R/A RECPT .120"PC TAIL W/O LOWER ROW PINSTOP-.100" GRID molex MOLEX INCORPORATED		DESIGN UNITS INCH		THIRD ANGLE PROJECTION		SHEET NO. 8 OF 26					
										DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		DOCUMENT NO. SDA-71973-****													
										SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
tb_frame_A3_P_AM.T Rev. F 2009/06/18		9		8		7		6		5		4		3		2		1									

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

[illegible]

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

10		9		8		7		6		5		4		3		2		1					
F	NO. OF CKTS		OPTION H ASSEMBLY PACKAGED IN TUBES PER PK-70873-0139 (SEE SHEET I FOR FINISH SPECIFICATIONS)						DIMENSION				NO. OF CKTS	OPTION H ASSEMBLY PACKAGED IN TUBES PER PK-70873-0139 (SEE SHEET I FOR FINISH SPECIFICATIONS)						DIMENSION			
	PER ROW	TOTAL			15 GOLD		30 GOLD		50 GOLD		A	B			D	A	B		D				
	4	8			X	71973-5804	X	71973-5904	X	71973-6004	.300 (7.62)	.395 (10.03)			.658 (16.71)								
	5	10			X	71973-5805	X	71973-5905	X	71973-6005	.400 (10.16)	.495 (12.57)			.758 (19.25)								
	6	12			X	71973-5806	X	71973-5906	X	71973-6006	.500 (12.70)	.595 (15.11)			.858 (21.79)								
E	7	14			X	71973-5807	X	71973-5907	X	71973-6007	.600 (15.24)	.695 (17.65)			.958 (24.33)								
	8	16			X	71973-5808	X	71973-5908	X	71973-6008	.700 (17.78)	.795 (20.19)			1.058 (26.87)								
	9	18			X	71973-5809	X	71973-5909	X	71973-6009	.800 (20.32)	.895 (22.73)			1.158 (29.41)								
	10	20			X	71973-5810	X	71973-5910	X	71973-6010	.900 (22.86)	.995 (25.27)			1.258 (31.95)								
	11	22			X	71973-5811	X	71973-5911	X	71973-6011	1.000 (25.40)	1.095 (27.81)			1.358 (34.49)								
	12	24			X	71973-5812	X	71973-5912	X	71973-6012	1.100 (27.94)	1.195 (30.35)			1.458 (37.03)								
	13	26			X	71973-5813	X	71973-5913	X	71973-6013	1.200 (30.48)	1.295 (32.89)			1.558 (39.57)								
	14	28			X	71973-5814	X	71973-5914	X	71973-6014	1.300 (33.02)	1.395 (35.43)			1.658 (42.11)								
	15	30			X	71973-5815	X	71973-5915	X	71973-6015	1.400 (35.56)	1.495 (37.97)			1.758 (44.65)								
	16	32			X	71973-5816	X	71973-5916	X	71973-6016	1.500 (38.10)	1.595 (40.51)			1.858 (47.19)								
D	17	34			X	71973-5817	X	71973-5917	X	71973-6017	1.600 (40.64)	1.695 (43.05)			1.958 (49.73)								
	18	36			X	71973-5818	X	71973-5918	X	71973-6018	1.700 (43.18)	1.795 (45.59)			2.058 (52.27)								
	19	38			X	71973-5819	X	71973-5919	X	71973-6019	1.800 (45.72)	1.895 (48.13)			2.158 (54.81)								
	20	40			X	71973-5820	X	71973-5920	X	71973-6020	1.900 (48.26)	1.995 (50.67)			2.258 (57.35)								
C	21	42			X	71973-5821	X	71973-5921	X	71973-6021	2.000 (50.80)	2.095 (53.21)			2.358 (59.89)								
	22	44			X	71973-5822	X	71973-5922	X	71973-6022	2.100 (53.34)	2.195 (55.75)			2.458 (62.43)								
	23	46			X	71973-5823	X	71973-5923	X	71973-6023	2.200 (55.88)	2.295 (58.29)			2.558 (64.97)								
	24	48			X	71973-5824	X	71973-5924	X	71973-6024	2.300 (58.42)	2.395 (60.83)			2.658 (67.51)								
	25	50			X	71973-5825	X	71973-5925	X	71973-6025	2.400 (60.96)	2.495 (63.37)			2.758 (70.05)								
B	26	52			X	71973-5826	X	71973-5926	X	71973-6026	2.500 (63.50)	2.595 (65.91)			2.858 (72.59)								
	27	54			X	71973-5827	X	71973-5927	X	71973-6027	2.600 (66.04)	2.695 (68.45)			2.958 (75.13)								
	28	56			X	71973-5828	X	71973-5928	X	71973-6028	2.700 (68.58)	2.795 (70.99)			3.058 (77.67)								
	29	58			X	71973-5829	X	71973-5929	X	71973-6029	2.800 (71.12)	2.895 (73.53)			3.158 (80.21)								
	30	60			X	71973-5830	X	71973-5930	X	71973-6030	2.900 (73.66)	2.995 (76.07)			3.258 (82.75)								

X INDICATES TOOLING IS NOT AVAILABLE.

ADD OPTION K & L
EC NO: S2010-0534
2009/12/30
DRWN:SKANG
CHKD:ATSEE
2010/01/08
APPR:MLONG
2010/01/14

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± --- ± .010
2 PLACES ± 0.25 ± ---
1 PLACE ± --- ± ---
ANGULAR ± 1/2°
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
IN/MM
DRAWN BY DATE
DJB 1991/10/21
CHECKED BY DATE
DJB 1991/10/21
APPROVED BY DATE
MLONG 2010/01/14
MATERIAL NO.
SEE TABLE
SIZE A3

SCALE
NTS
DESIGN UNITS
INCH
THIRD ANGLE PROJECTION
TITLE
EARLY ENTRY R/A RECPT
.120"PC TAIL W/O LOWER
ROW PINSTOP-.100" GRID
MOLEX INCORPORATED
DOCUMENT NO.
SDA-71973-****
SHEET NO.
21 OF 26
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

[illegible]

10		9		8		7		6		5		4		3		2		1												
NO. OF CKTS		OPTION H ASSEMBLY PACKAGED IN TRAYS PER PK-70873-0239 (SEE SHEET I FOR FINISH SPECIFICATIONS)						DIMENSION				NO. OF CKTS		OPTION H ASSEMBLY PACKAGED IN TRAYS PER PK-70873-0239 (SEE SHEET I FOR FINISH SPECIFICATIONS)						DIMENSION										
PER ROW	TOTAL				15 GOLD	30 GOLD	50 GOLD	A	B			D	PER ROW	TOTAL				15 GOLD	30 GOLD	50 GOLD	A	B			D					
F	4	8			X	71973-9404	X	71973-9504	X	71973-9604	.300 (7.62)	.395 (10.03)	.658 (16.71)	33	66				X	71973-9433	X	71973-9533	X	71973-9633	3.200 (81.28)	3.295 (83.69)	3.558 (90.37)			
	5	10			X	71973-9405	X	71973-9505	X	71973-9605	.400 (10.16)	.495 (12.57)	.758 (19.25)	34	68				X	71973-9434	X	71973-9534	X	71973-9634	3.300 (83.82)	3.395 (86.23)	3.658 (92.91)			
	6	12			X	71973-9406	X	71973-9506	X	71973-9606	.500 (12.70)	.595 (15.11)	.858 (21.79)	35	70				X	71973-9435	X	71973-9535	X	71973-9635	3.400 (86.36)	3.495 (88.77)	3.758 (95.45)			
	7	14			X	71973-9407	X	71973-9507	X	71973-9607	.600 (15.24)	.695 (17.65)	.958 (24.33)	36	72				X	71973-9436	X	71973-9536	X	71973-9636	3.500 (88.90)	3.595 (91.31)	3.858 (97.99)			
	8	16			X	71973-9408	X	71973-9508	X	71973-9608	.700 (17.78)	.795 (20.19)	1.058 (26.87)																	
E	9	18			X	71973-9409	X	71973-9509	X	71973-9609	.800 (20.32)	.895 (22.73)	1.158 (29.41)																	
	10	20			X	71973-9410	X	71973-9510	X	71973-9610	.900 (22.86)	.995 (25.27)	1.258 (31.95)																	
	11	22			X	71973-9411	X	71973-9511	X	71973-9611	1.000 (25.40)	1.095 (27.81)	1.358 (34.49)																	
	12	24			X	71973-9412	X	71973-9512	X	71973-9612	1.100 (27.94)	1.195 (30.35)	1.458 (37.03)																	
	13	26			X	71973-9413	X	71973-9513	X	71973-9613	1.200 (30.48)	1.295 (32.89)	1.558 (39.57)																	
D	14	28			X	71973-9414	X	71973-9514	X	71973-9614	1.300 (33.02)	1.395 (35.43)	1.658 (42.11)																	
	15	30			X	71973-9415	X	71973-9515	X	71973-9615	1.400 (35.56)	1.495 (37.97)	1.758 (44.65)																	
	16	32			X	71973-9416	X	71973-9516	X	71973-9616	1.500 (38.10)	1.595 (40.51)	1.858 (47.19)																	
	17	34			X	71973-9417	X	71973-9517	X	71973-9617	1.600 (40.64)	1.695 (43.05)	1.958 (49.73)																	
	18	36			X	71973-9418	X	71973-9518	X	71973-9618	1.700 (43.18)	1.795 (45.59)	2.058 (52.27)																	
C	19	38			X	71973-9419	X	71973-9519	X	71973-9619	1.800 (45.72)	1.895 (48.13)	2.158 (54.81)																	
	20	40			X	71973-9420	X	71973-9520	X	71973-9620	1.900 (48.26)	1.995 (50.67)	2.258 (57.35)																	
	21	42			X	71973-9421	X	71973-9521	X	71973-9621	2.000 (50.80)	2.095 (53.21)	2.358 (59.89)																	
	22	44			X	71973-9422	X	71973-9522	X	71973-9622	2.100 (53.34)	2.195 (55.75)	2.458 (62.43)																	
	23	46			X	71973-9423	X	71973-9523	X	71973-9623	2.200 (55.88)	2.295 (58.29)	2.558 (64.97)																	
B	24	48			X	71973-9424	X	71973-9524	X	71973-9624	2.300 (58.42)	2.395 (60.83)	2.658 (67.51)																	
	25	50			X	71973-9425	X	71973-9525	X	71973-9625	2.400 (60.96)	2.495 (63.37)	2.758 (70.05)																	
	26	52			X	71973-9426	X	71973-9526	X	71973-9626	2.500 (63.50)	2.595 (65.91)	2.858 (72.59)																	
	27	54			X	71973-9427	X	71973-9527	X	71973-9627	2.600 (66.04)	2.695 (68.45)	2.958 (75.13)																	
	28	56			X	71973-9428	X	71973-9528	X	71973-9628	2.700 (68.58)	2.795 (70.99)	3.058 (77.67)																	
A	29	58			X	71973-9429	X	71973-9529	X	71973-9629	2.800 (71.12)	2.895 (73.53)	3.158 (80.21)																	
	30	60			X	71973-9430	X	71973-9530	X	71973-9630	2.900 (73.66)	2.995 (76.07)	3.258 (82.75)																	
	31	62			X	71973-9431	X	71973-9531	X	71973-9631	3.000 (76.20)	3.095 (78.61)	3.358 (85.29)																	
	32	64			X	71973-9432	X	71973-9532	X	71973-9632	3.100 (78.74)	3.195 (81.15)	3.458 (87.83)																	
X INDICATES TOOLING IS NOT AVAILABLE							ADD OPTION K & L EC NO: S2010-0534 DRWN:SKANG CHKD:ATSEE APPR:MLONG 2009/12/30 2010/01/08 2010/01/14		QUALITY SYMBOLS F=0 F=0 F=0		GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± --- 1 PLACE ± --- ± --- ANGULAR ± 1/2°		DIMENSION STYLE IN/MM DRAWN BY DATE DJB 1991/10/21 CHECKED BY DATE DJB 1991/10/21 APPROVED BY DATE MLONG 2010/01/14		SCALE NTS		DESIGN UNITS INCH		THIRD ANGLE PROJECTION		TITLE EARLY ENTRY R/A RECPT .120"PC TAIL W/O LOWER ROW PINSTOP-.100" GRID MOLEX INCORPORATED		MATERIAL NO. SEE TABLE		DOCUMENT NO. SDA-71973-****		SHEET NO. 23 OF 26		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
fb_frame_A3_P_AM_T Rev. F 2009/06/18		9		8		7		6		5		4		3		2		1												

10				9				8				7				6				5				4				3				2				1			
NO. OF CKTS				OPTION I ASSEMBLY PACKAGED IN TUBES PER PK-70873-0138 (SEE SHEET I FOR FINISH SPECIFICATIONS)												DIMENSION				NO. OF CKTS				OPTION I ASSEMBLY PACKAGED IN TUBES PER PK-70873-0138 (SEE SHEET I FOR FINISH SPECIFICATIONS)												DIMENSION			
PER ROW		TOTAL				I5 GOLD		30 GOLD		50 GOLD		A		B		C		D		PER ROW		TOTAL				I5 GOLD		30 GOLD		50 GOLD		A		B		C		D	
F	4	8					71973-9704	71973-9804	71973-9904	.300 (7.62)	.395 (10.03)	.200 (5.08)	.658 (16.71)	34	68					71973-9734	71973-9834	71973-9934	3.300 (83.82)	3.395 (86.23)	3.200 (81.28)	3.658 (92.91)													
	5	10					71973-9705	71973-9805	71973-9905	.400 (10.16)	.495 (12.57)	.300 (7.62)	.758 (19.25)	35	70					71973-9735	71973-9835	71973-9935	3.400 (86.36)	3.495 (88.77)	3.300 (83.82)	3.758 (95.45)													
	6	12					71973-9706	71973-9806	71973-9906	.500 (12.70)	.595 (15.11)	.400 (10.16)	.858 (21.79)	36	72					71973-9736	71973-9836	71973-9936	3.500 (88.90)	3.595 (91.31)	3.400 (86.36)	3.858 (97.99)													
	7	14					71973-9707	71973-9807	71973-9907	.600 (15.24)	.695 (17.65)	.500 (12.70)	.958 (24.33)																										
	8	16					71973-9708	71973-9808	71973-9908	.700 (17.78)	.795 (20.19)	.600 (15.24)	1.058 (26.87)																										
	9	18					71973-9709	71973-9809	71973-9909	.800 (20.32)	.895 (22.73)	.700 (17.78)	1.158 (29.41)																										
E	10	20					71973-9710	71973-9810	71973-9910	.900 (22.86)	.995 (25.27)	.800 (20.32)	1.258 (31.95)																										
	11	22					71973-9711	71973-9811	71973-9911	1.000 (25.40)	1.095 (27.81)	.900 (22.86)	1.358 (34.49)																										
	12	24					71973-9712	71973-9812	71973-9912	1.100 (27.94)	1.195 (30.35)	1.000 (25.40)	1.458 (37.03)																										
	13	26					71973-9713	71973-9813	71973-9913	1.200 (30.48)	1.295 (32.89)	1.100 (27.94)	1.558 (39.57)																										
	14	28					71973-9714	71973-9814	71973-9914	1.300 (33.02)	1.395 (35.43)	1.200 (30.48)	1.658 (42.11)																										
	15	30					71973-9715	71973-9815	71973-9915	1.400 (35.56)	1.495 (37.97)	1.300 (33.02)	1.758 (44.65)																										
D	16	32					71973-9716	71973-9816	71973-9916	1.500 (38.10)	1.595 (40.51)	1.400 (35.56)	1.858 (47.19)																										
	17	34					71973-9717	71973-9817	71973-9917	1.600 (40.64)	1.695 (43.05)	1.500 (38.10)	1.958 (49.73)																										
	18	36					71973-9718	71973-9818	71973-9918	1.700 (43.18)	1.795 (45.59)	1.600 (40.64)	2.058 (52.27)																										
	19	38					71973-9719	71973-9819	71973-9919	1.800 (45.72)	1.895 (48.13)	1.700 (43.18)	2.158 (54.81)																										
	20	40					71973-9720	71973-9820	71973-9920	1.900 (48.26)	1.995 (50.67)	1.800 (45.72)	2.258 (57.35)																										
	21	42					71973-9721	71973-9821	71973-9921	2.000 (50.80)	2.095 (53.21)	1.900 (48.26)	2.358 (59.89)																										
C	22	44					71973-9722	71973-9822	71973-9922	2.100 (53.34)	2.195 (55.75)	2.000 (50.80)	2.458 (62.43)																										
	23	46					71973-9723	71973-9823	71973-9923	2.200 (55.88)	2.295 (58.29)	2.100 (53.34)	2.558 (64.97)																										
	24	48					71973-9724	71973-9824	71973-9924	2.300 (58.42)	2.395 (60.83)	2.200 (55.88)	2.658 (67.51)																										
	25	50					71973-9725	71973-9825	71973-9925	2.400 (60.96)	2.495 (63.37)	2.300 (58.42)	2.758 (70.05)																										
	26	52					71973-9726	71973-9826	71973-9926	2.500 (63.50)	2.595 (65.91)	2.400 (60.96)	2.858 (72.59)																										
	27	54					71973-9727	71973-9827	71973-9927	2.600 (66.04)	2.695 (68.45)	2.500 (63.50)	2.958 (75.13)																										
B	28	56					71973-9728	71973-9828	71973-9928	2.700 (68.58)	2.795 (70.99)	2.600 (66.04)	3.058 (77.67)																										
	29	58					71973-9729	71973-9829	71973-9929	2.800 (71.12)	2.895 (73.53)	2.700 (68.58)	3.158 (80.21)																										
	30	60					71973-9730	71973-9830	71973-9930	2.900 (73.66)	2.995 (76.07)	2.800 (71.12)	3.258 (82.75)																										
	31	62					71973-9731	71973-9831	71973-9931	3.000 (76.20)	3.095 (78.61)	2.900 (73.66)	3.358 (85.29)																										
	32	64					71973-9732	71973-9832	71973-9932	3.100 (78.74)	3.195 (81.15)	3.000 (76.20)	3.458 (87.83)																										
	33	66					71973-9733	71973-9833	71973-9933	3.200 (81.28)	3.295 (83.69)	3.100 (78.74)	3.558 (90.37)																										
A				*X* INDICATES TOOLING IS NOT AVAILABLE												ADD OPTION K & L EC NO: S2010-0534 DRWN:SKANG 2009/12/30 CHKD:ATSEE 2010/01/08 APPR:MLONG 2010/01/14 DESCRIPTION REV				QUALITY SYMBOLS F=0 F=0 F=0		GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE IN/MM				SCALE NTS		DESIGN UNITS INCH		THIRD ANGLE PROJECTION					
																						mm		INCH		DRAWN BY DATE DJB 1991/10/21		TITLE EARLY ENTRY R/A RECPT .120"PC TAIL W/O LOWER ROW PINSTOP-.100" GRID MOLEX INCORPORATED		SHEET NO. 24 OF 26									
																						4 PLACES ± --- ± ---		CHECKED BY DATE DJB 1991/10/21															
																						3 PLACES ± --- ± .010		APPROVED BY DATE MLONG 2010/01/14															
																						2 PLACES ± 0.25 ± ---		MATERIAL NO.		SEE TABLE						DOCUMENT NO.							
1 PLACE ± --- ± ---		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																													

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Rev. F 2009/06/18

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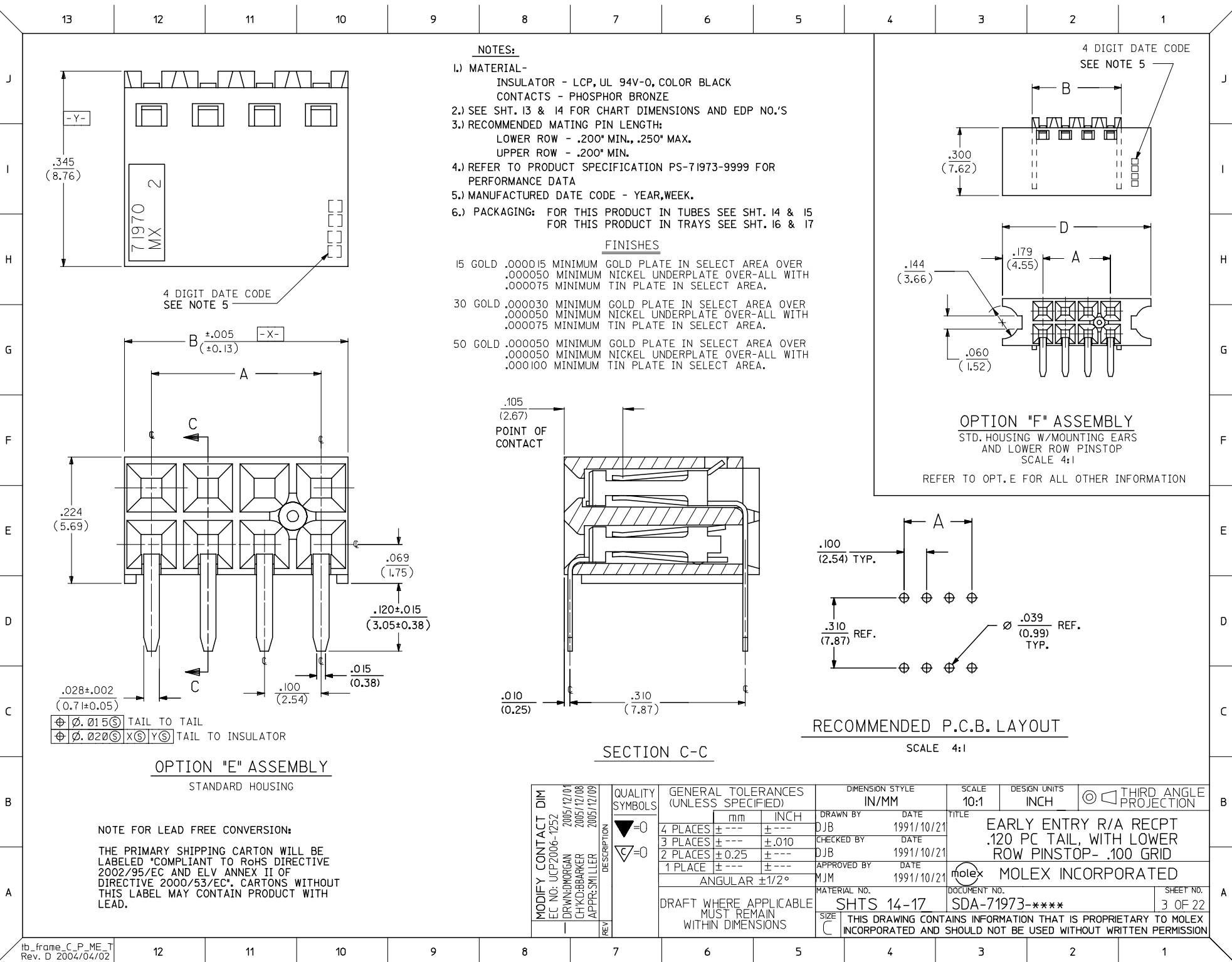
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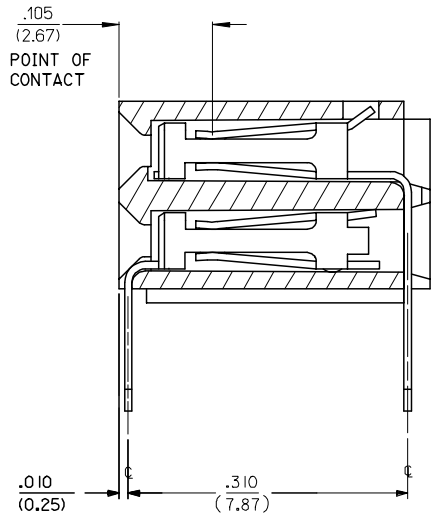
10		9		8		7		6		5		4		3		2		1			
NO. OF CKTS		OPTION K ASSEMBLY PACKAGED IN TUBES PER PK-70873-0138 (SEE SHEET I FOR FINISH SPECIFICATIONS)					DIMENSION			NO. OF CKTS		OPTION K ASSEMBLY PACKAGED IN TUBES PER PK-70873-0138 (SEE SHEET I FOR FINISH SPECIFICATIONS)					DIMENSION				
PER ROW	TOTAL			15 GOLD	30 GOLD	50 GOLD	A	B		PER ROW	TOTAL			15 GOLD	30 GOLD	50 GOLD	A	B			
4	8			71973-6204	71973-6304	71973-6404	.300 (7.62)	.395 (10.03)		32	64			71973-6232	71973-6332	71973-6432	3.100 (78.74)	3.195 (81.15)			
5	10			71973-6205	71973-6305	71973-6405	.400 (10.16)	.495 (12.57)		33	66			71973-6233	71973-6333	71973-6433	3.200 (81.28)	3.295 (83.69)			
6	12			71973-6206	71973-6306	71973-6406	.500 (12.70)	.595 (15.11)		34	68			71973-6234	71973-6334	71973-6434	3.300 (83.82)	3.395 (86.23)			
7	14			71973-6207	71973-6307	71973-6407	.600 (15.24)	.695 (17.65)		35	70			71973-6235	71973-6335	71973-6435	3.400 (86.36)	3.495 (88.77)			
8	16			71973-6208	71973-6308	71973-6408	.700 (17.78)	.795 (20.19)		36	72			71973-6236	71973-6336	71973-6436	3.500 (88.90)	3.595 (91.31)			
9	18			71973-6209	71973-6309	71973-6409	.800 (20.32)	.895 (22.73)													
10	20			71973-6210	71973-6310	71973-6410	.900 (22.86)	.995 (25.27)													
11	22			71973-6211	71973-6311	71973-6411	1.000 (25.40)	1.095 (27.81)													
12	24			71973-6212	71973-6312	71973-6412	1.100 (27.94)	1.195 (30.35)													
13	26			71973-6213	71973-6313	71973-6413	1.200 (30.48)	1.295 (32.89)													
14	28			71973-6214	71973-6314	71973-6414	1.300 (33.02)	1.395 (35.43)													
15	30			71973-6215	71973-6315	71973-6415	1.400 (35.56)	1.495 (37.97)													
16	32			71973-6216	71973-6316	71973-6416	1.500 (38.10)	1.595 (40.51)													
17	34			71973-6217	71973-6317	71973-6417	1.600 (40.64)	1.695 (43.05)													
18	36			71973-6218	71973-6318	71973-6418	1.700 (43.18)	1.795 (45.59)													
19	38			71973-6219	71973-6319	71973-6419	1.800 (45.72)	1.895 (48.13)													
20	40			71973-6220	71973-6320	71973-6420	1.900 (48.26)	1.995 (50.67)													
21	42			71973-6221	71973-6321	71973-6421	2.000 (50.80)	2.095 (53.21)													
22	44			71973-6222	71973-6322	71973-6422	2.100 (53.34)	2.195 (55.75)													
23	46			71973-6223	71973-6323	71973-6423	2.200 (55.88)	2.295 (58.29)													
24	48			71973-6224	71973-6324	71973-6424	2.300 (58.42)	2.395 (60.83)													
25	50			71973-6225	71973-6325	71973-6425	2.400 (60.96)	2.495 (63.37)													
26	52			71973-6226	71973-6326	71973-6426	2.500 (63.50)	2.595 (65.91)													
27	54			71973-6227	71973-6327	71973-6427	2.600 (66.04)	2.695 (68.45)													
28	56			71973-6228	71973-6328	71973-6428	2.700 (68.58)	2.795 (70.99)													
29	58			71973-6229	71973-6329	71973-6429	2.800 (71.12)	2.895 (73.53)													
30	60			71973-6230	71973-6330	71973-6430	2.900 (73.66)	2.995 (76.07)													
31	62			71973-6231	71973-6331	71973-6431	3.000 (76.20)	3.095 (78.61)													
X INDICATES TOOLING IS NOT AVAILABLE							ADD OPTION K & L EC NO: S2010-0534 DRWN:SKANG CHKD:ATSEE APPR:MLONG 2009/12/30 2010/01/08 2010/01/14		QUALITY SYMBOLS F=0 F=0 F=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± --- 1 PLACE ± --- ± --- ANGULAR ± 1/2°		DIMENSION STYLE IN/MM DRAWN BY DATE DJB 1991/10/21 CHECKED BY DATE DJB 1991/10/21 APPROVED BY DATE MLONG 2010/01/14		SCALE NTS DESIGN UNITS INCH		THIRD ANGLE PROJECTION		TITLE EARLY ENTRY R/A RECPT .120"PC TAIL W/O LOWER ROW PINSTOP-.100" GRID MOLEX INCORPORATED		SHEET NO. 25 OF 26	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							K		REV	SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DOCUMENT NO. SDA-71973-****							
tb_frame_A3_P_AM_T Rev. F 2009/06/18		9		8		7		6		5		4		3		2		1			

10		9		8		7		6		5		4		3		2		1								
NO. OF CKTS		OPTION L ASSEMBLY PACKAGED IN TUBES PER PK-70873-0138 (SEE SHEET I FOR FINISH SPECIFICATIONS)						DIMENSION				NO. OF CKTS		OPTION L ASSEMBLY PACKAGED IN TUBES PER PK-70873-0138 (SEE SHEET I FOR FINISH SPECIFICATIONS)						DIMENSION						
PER ROW	TOTAL			15 GOLD		30 GOLD		50 GOLD		A	B					15 GOLD		30 GOLD		50 GOLD		A	B			
4	8				71973-5404		71973-5504		71973-5604	.300 (7.62)	.395 (10.03)						71973-5431		71973-5531		71973-5631	3.000 (76.20)	3.095 (78.61)			
5	10				71973-5405		71973-5505		71973-5605	.400 (10.16)	.495 (12.57)						71973-5432		71973-5532		71973-5632	3.100 (78.74)	3.195 (81.15)			
6	12				71973-5406		71973-5506		71973-5606	.500 (12.70)	.595 (15.11)						71973-5433		71973-5533		71973-5633	3.200 (81.28)	3.295 (83.69)			
7	14				71973-5407		71973-5507		71973-5607	.600 (15.24)	.695 (17.65)						71973-5434		71973-5534		71973-5634	3.300 (83.82)	3.395 (86.23)			
8	16				71973-5408		71973-5508		71973-5608	.700 (17.78)	.795 (20.19)						71973-5435		71973-5535		71973-5635	3.400 (86.36)	3.495 (88.77)			
9	18				71973-5409		71973-5509		71973-5609	.800 (20.32)	.895 (22.73)						71973-5436		71973-5536		71973-5636	3.500 (88.90)	3.595 (91.31)			
10	20				71973-5410		71973-5510		71973-5610	.900 (22.86)	.995 (25.27)															
11	22				71973-5411		71973-5511		71973-5611	1.000 (25.40)	1.095 (27.81)															
12	24				71973-5412		71973-5512		71973-5612	1.100 (27.94)	1.195 (30.35)															
13	26				71973-5413		71973-5513		71973-5613	1.200 (30.48)	1.295 (32.89)															
14	28				71973-5414		71973-5514		71973-5614	1.300 (33.02)	1.395 (35.43)															
15	30				71973-5415		71973-5515		71973-5615	1.400 (35.56)	1.495 (37.97)															
16	32				71973-5416		71973-5516		71973-5616	1.500 (38.10)	1.595 (40.51)															
17	34				71973-5417		71973-5517		71973-5617	1.600 (40.64)	1.695 (43.05)															
18	36				71973-5418		71973-5518		71973-5618	1.700 (43.18)	1.795 (45.59)															
19	38				71973-5419		71973-5519		71973-5619	1.800 (45.72)	1.895 (48.13)															
20	40				71973-5420		71973-5520		71973-5620	1.900 (48.26)	1.995 (50.67)															
21	42				71973-5421		71973-5521		71973-5621	2.000 (50.80)	2.095 (53.21)															
22	44				71973-5422		71973-5522		71973-5622	2.100 (53.34)	2.195 (55.75)															
23	46				71973-5423		71973-5523		71973-5623	2.200 (55.88)	2.295 (58.29)															
24	48				71973-5424		71973-5524		71973-5624	2.300 (58.42)	2.395 (60.83)															
25	50				71973-5425		71973-5525		71973-5625	2.400 (60.96)	2.495 (63.37)															
26	52				71973-5426		71973-5526		71973-5626	2.500 (63.50)	2.595 (65.91)															
27	54				71973-5427		71973-5527		71973-5627	2.600 (66.04)	2.695 (68.45)															
28	56				71973-5428		71973-5528		71973-5628	2.700 (68.58)	2.795 (70.99)															
29	58				71973-5429		71973-5529		71973-5629	2.800 (71.12)	2.895 (73.53)															
30	60				71973-5430		71973-5530		71973-5630	2.900 (73.66)	2.995 (76.07)															
"X" INDICATES TOOLING IS NOT AVAILABLE										ADD OPTION K & L EC NO: S2010-0534 2009/12/30 DRWN:SKANG CHKD:ATSEE 2010/01/08 APPR:MLONG 2010/01/14		QUALITY SYMBOLS F _A =0 F _B =0 F _P =0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± --- 1 PLACE ± --- ± --- ANGULAR ± 1/2°		DIMENSION STYLE IN/MM DRAWN BY DATE DJB 1991/10/21 CHECKED BY DATE DJB 1991/10/21 APPROVED BY DATE MLONG 2010/01/14		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		EARLY ENTRY R/A RECPT .120"PC TAIL W/O LOWER ROW PINSTOP-.100" GRID MOLEX INCORPORATED		SHEET NO. 26 OF 26			
													DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MATERIAL NO.		DOCUMENT NO.		SDA-71973-****					
															SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
tb_frame_A3_P_AM_T Rev. F 2009/06/18		9		8		7		6		5		4		3		2		1								



- NOTES:**
- 1.) MATERIAL-
INSULATOR - LCP, UL 94V-O, COLOR BLACK
CONTACTS - PHOSPHOR BRONZE
 - 2.) SEE SHT. 13 & 14 FOR CHART DIMENSIONS AND EDP NO.'S
 - 3.) RECOMMENDED MATING PIN LENGTH:
LOWER ROW - .200" MIN., .250" MAX.
UPPER ROW - .200" MIN.
 - 4.) REFER TO PRODUCT SPECIFICATION PS-71973-9999 FOR PERFORMANCE DATA
 - 5.) MANUFACTURED DATE CODE - YEAR, WEEK.
 - 6.) PACKAGING: FOR THIS PRODUCT IN TUBES SEE SHT. 14 & 15
FOR THIS PRODUCT IN TRAYS SEE SHT. 16 & 17

- FINISHES**
- 15 GOLD .000015 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000075 MINIMUM TIN PLATE IN SELECT AREA.
 - 30 GOLD .000030 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000075 MINIMUM TIN PLATE IN SELECT AREA.
 - 50 GOLD .000050 MINIMUM GOLD PLATE IN SELECT AREA OVER
.000050 MINIMUM NICKEL UNDERPLATE OVER-ALL WITH
.000100 MINIMUM TIN PLATE IN SELECT AREA.



SECTION C-C

OPTION "F" ASSEMBLY
STD. HOUSING W/MOUNTING EARS
AND LOWER ROW PINSTOP
SCALE 4:1

REFER TO OPT. E FOR ALL OTHER INFORMATION

RECOMMENDED P.C.B. LAYOUT
SCALE 4:1

OPTION "E" ASSEMBLY
STANDARD HOUSING

NOTE FOR LEAD FREE CONVERSION:
THE PRIMARY SHIPPING CARTON WILL BE
LABELED "COMPLIANT TO RoHS DIRECTIVE
2002/95/EC AND ELV ANNEX II OF
DIRECTIVE 2000/53/EC". CARTONS WITHOUT
THIS LABEL MAY CONTAIN PRODUCT WITH
LEAD.

MODIFY CONTACT DIM EC NO: UCP2006-1252 DRAWN: JORGAN 2005/12/01 CHKD: BARKER 2005/12/08 APPR: MILLER 2005/12/09	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± --- 1 PLACE ± --- ± --- ANGULAR ±1/2°	DIMENSION STYLE IN/MM DRAWN BY DATE DJB 1991/10/21 CHECKED BY DATE DJB 1991/10/21 APPROVED BY DATE MJM 1991/10/21 MATERIAL NO. SHTS 14-17 SIZE C	SCALE 10:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	TITLE EARLY ENTRY R/A REPT .120 PC TAIL, WITH LOWER ROW PINSTOP- .100 GRID MOLEX INCORPORATED	DOCUMENT NO. SDA-71973-****	SHEET NO. 3 OF 22

