

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0719791104

Status:

Active

Overview:

cgrid_sl_products

Description:

2.54mm (.100") Pitch C-Grid® Receptacle, Surface Mount, Dual Row, Right Angle, 8 Circuits, with Peg, Lead free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-71973-9999 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Receptacles
Series	71979
Application	Board-to-Board
Overview	cgrid_sl_products
Product Name	C-Grid®
Physical	
Circuits (Loaded)	8
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
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tube
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.90
Polarized to PCB	No
Stackable	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

Electrical	
Current - Maximum per Contact	1A, 2A, 3A
Voltage - Maximum	500V AC

Solder Process Data	
Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info	
Old Part Number	A719791104

Reference - Drawing Numbers	
Product Specification	PS-71973-9999

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

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

71979Series

Mates With

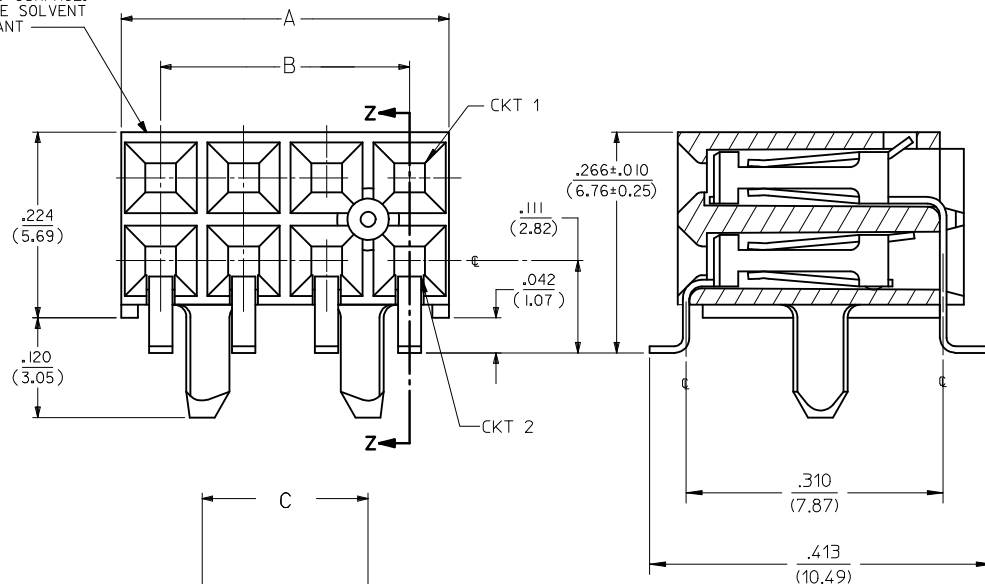
87911 Header

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

4 DIGIT DATE CODE
ON THIS SURFACE.
MUST BE SOLVENT
RESISTANT



SECTION Z-Z

OPTION A ASSEMBLY

(ASSEMBLY WITH PEG AND WITHOUT LOWER ROW PINSTOP)

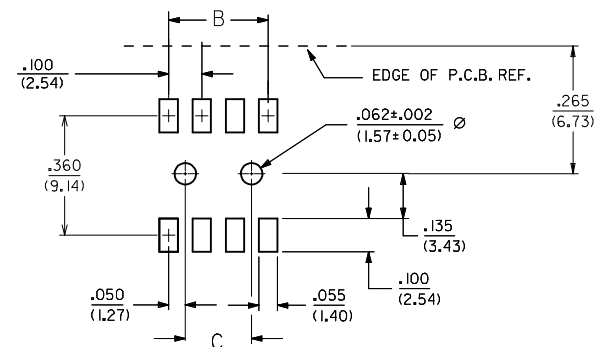
NOTES:

- 1.) MATERIALS:
HOUSING - LCP, 94V-0, BLACK
TERMINAL - PHOS. BRONZE ALLOY
- 2.) 8 CKT SHOWN FOR ILLUSTRATION PURPOSES.
SEE CHART ON SHEET 7 FOR OTHER SIZES.
- 3.) SCRATCHES AND BURNISHING ALLOWED ON
TERMINAL TAILS PROVIDING BASE METAL
IS NOT EXPOSED, EXCEPT AT TRIMMED END.
- 4.) RECOMMENDED MATING PIN LENGTHS:
LOWER ROW - .200" MIN./ .285" MAX.
UPPER ROW - .200" MIN.
- 5.) REFER TO PS-71973-9999 FOR PERFORMANCE DATA.

PLATING:

- | | |
|---------|---|
| 15 GOLD | 15 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA; 75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC TAIL AREA OVER 50 MICROINCH MINIMUM NICKEL OVERALL. |
| 30 GOLD | 30 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA; 75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC TAIL AREA OVER 50 MICROINCH MINIMUM NICKEL OVERALL. |
| 50 GOLD | 50 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA; 75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC TAIL AREA OVER 50 MICROINCH MINIMUM NICKEL OVERALL. |

•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.



RECOMMENDED P.C.B. LAYOUT

REVISED EC NO: S2009-0814 DRWN:SKANG CHKD:ATSEE APPR:MLONG H2	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE NTS	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION			
					DRAWN BY DJB	DATE 1995/03/15	TITLE SMT RECEPTACLE RIGHT ANGLE, DUAL ROW WITH AND WITHOUT PEG MOLEX INCORPORATED			DOCUMENT NO. SDA-71979-****		SHEET NO. 1 OF 12
					CHECKED BY DJB	DATE 1995/03/15						
					APPROVED BY DJB	DATE 1995/03/15						
					ANGULAR ±1/2°		MATERIAL NO. SEE TABLE					
			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					

9 8 7 6 5 4 3 2 1

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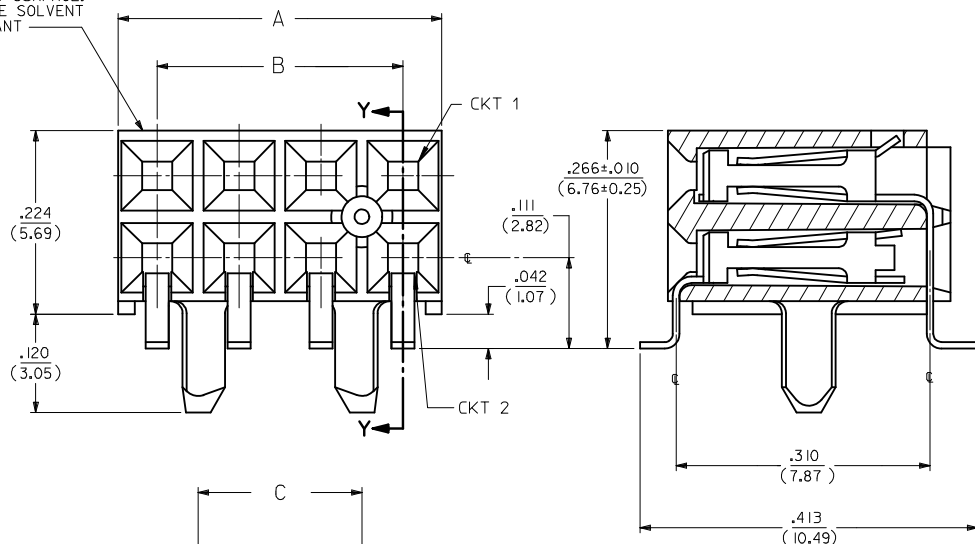
4

3

2

1

4 DIGIT DATE CODE
ON THIS SURFACE.
MUST BE SOLVENT
RESISTANT



NOTES:

1.) MATERIALS:

HOUSING - LCP, 94V-0, BLACK
TERMINAL - PHOS. BRONZE ALLOY

2.) 8 CKT SHOWN FOR ILLUSTRATION PURPOSES.
SEE CHART ON SHEET 8 FOR OTHER SIZES.

3.) SCRATCHES AND BURNISHING ALLOWED ON
TERMINAL TAILS PROVIDING BASE METAL
IS NOT EXPOSED.

4.) RECOMMENDED MATING PIN LENGTHS:
LOWER ROW - .200" MIN./ .250" MAX.
UPPER ROW - .200" MIN.

5.) REFER TO PS-71973-9999 FOR PERFORMANCE
DATA.

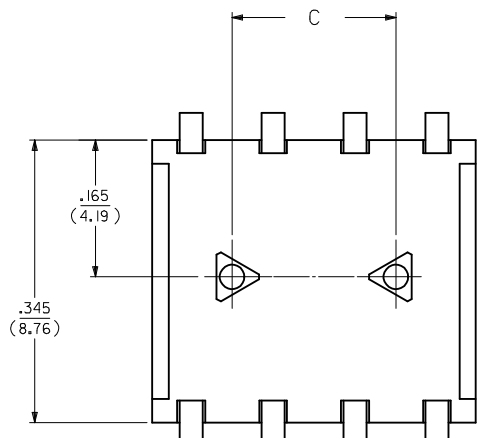
PLATING:

15 GOLD 15 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT
AREA; 75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC
TAIL AREA OVER 50 MICROINCH MINIMUM NICKEL OVERALL.

30 GOLD 30 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT
AREA; 75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC
TAIL AREA OVER 50 MICROINCH MINIMUM NICKEL OVERALL.

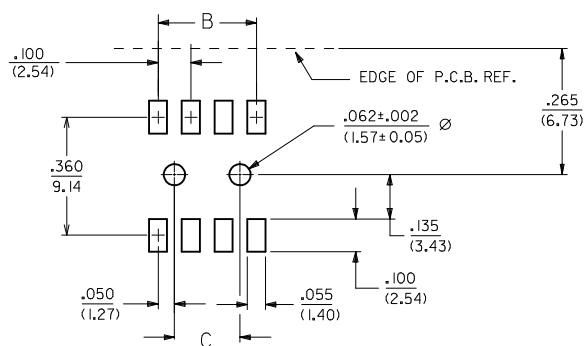
50 GOLD 50 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT
AREA; 75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC
TAIL AREA OVER 50 MICROINCH MINIMUM NICKEL OVERALL.

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



OPTION B ASSEMBLY

(ASSEMBLY WITH PEG AND LOWER ROW PINSTOP)



RECOMMENDED P.C.B. LAYOUT

REVISED	EC NO: S2009-0814	2009/09/01	2009/09/04	2009/09/05	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	SMT RECEPTACLE RIGHT ANGLE, DUAL ROW WITH AND WITHOUT PEG MOLEX INCORPORATED	SHEET NO. 2 OF 12						
							IN/MM	NTS											
H2	DRWN:SKANG CHKD:ATSEE APPR:MLONG	2009/09/01	2009/09/04	2009/09/05	DESCRIPTION	4 PLACES	mm	INCH	DRAWN BY	DATE	TITLE	MOLEX	SDA-71979-****						
						3 PLACES	± ---	± ---	DJB	1995/03/15	DATE								
						2 PLACES	± ---	± ---	CHECKED BY	DATE	DATE								
						1 PLACE	± 0.25	± ---	DJB	1995/03/15	DATE								
						ANGULAR	± 1/2°		APPROVED BY	DATE	DATE								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							SEE TABLE		MATERIAL NO.		DOCUMENT NO.		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
							SIZE		A3										

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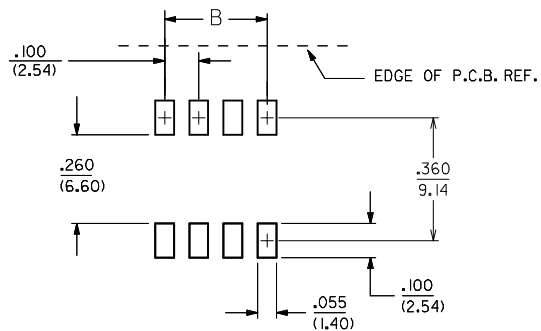
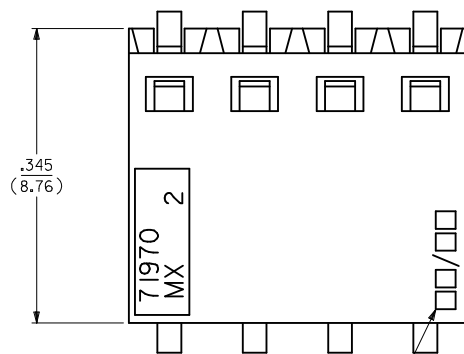
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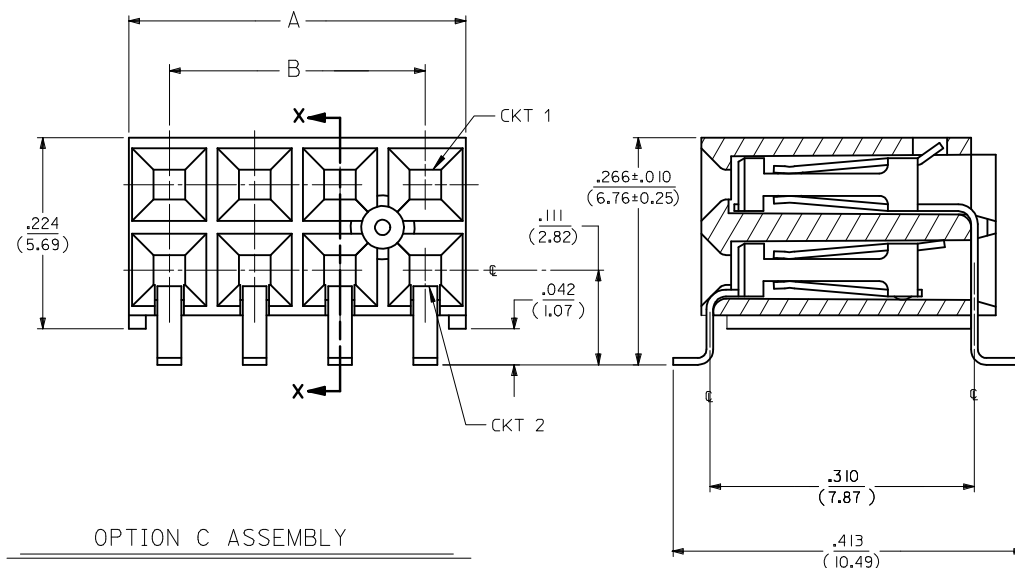
NOTES:

- 1.) MATERIALS:
HOUSING - LCP, 94V-0, BLACK.
TERMINAL - PHOS. BRONZE ALLOY
- 2.) 8 CKT SHOWN FOR ILLUSTRATION PURPOSES.
SEE CHART ON SHEET 9 FOR OTHER SIZES.
- 3.) SCRATCHES AND BURNISHING ALLOWED ON
TERMINAL TAILS PROVIDING BASE METAL
IS NOT EXPOSED.
- 4.) MANUFACTURED DATE CODE WEEK/YEAR.
- 5.) RECOMMENDED MATING PIN LENGTHS:
LOWER ROW - .200" MIN./ .285" MAX.
UPPER ROW - .200" MIN.
- 6.) REFER TO PS-71973-9999 FOR PERFORMANCE DATA.

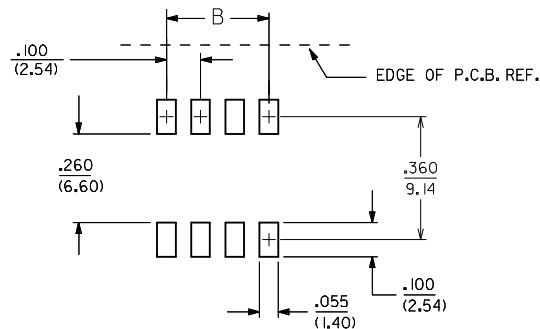
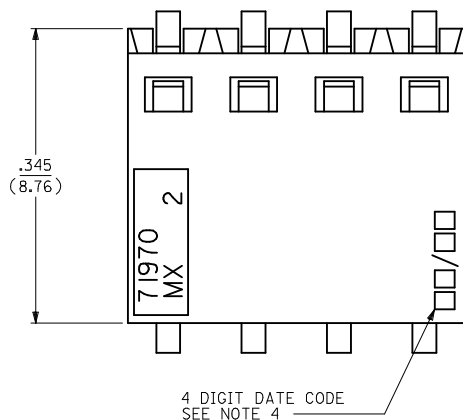
PLATING:

- 15 GOLD 15 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA; 75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC TAIL AREA OVER 50 MICROINCH MINIMUM NICKEL OVERALL.
- 30 GOLD 30 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA; 75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC TAIL AREA OVER 50 MICROINCH MINIMUM NICKEL OVERALL.
- 50 GOLD 50 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT AREA; 75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC TAIL AREA OVER 50 MICROINCH MINIMUM NICKEL OVERALL.

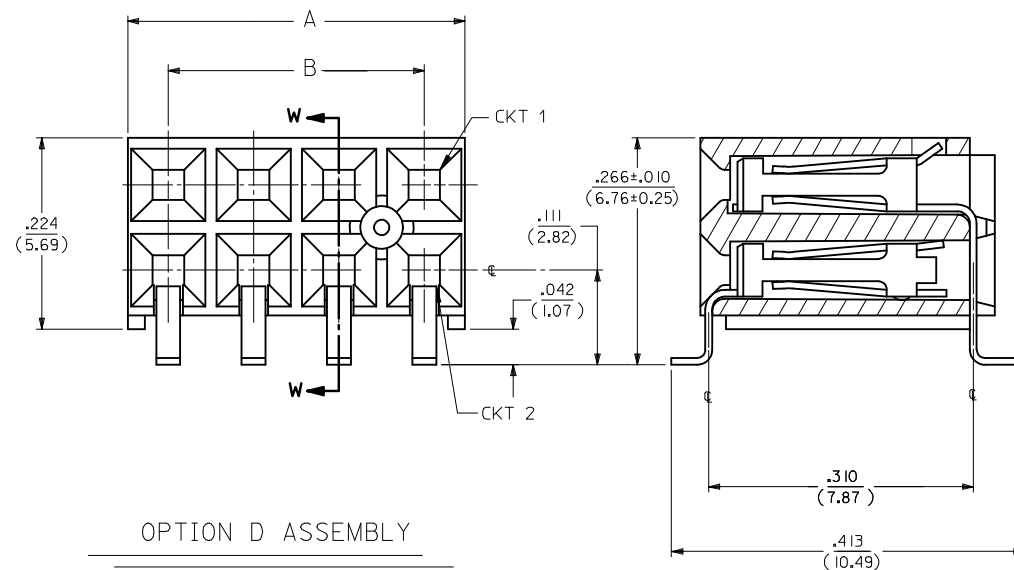
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REVISED	EC NO: S2009-0814	2009/09/01	DRWN:SKANG	2009/09/04	CHKD:ATSEE	2009/09/05	APPR:MLONG	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION							
														IN/MM		NTS	INCH								
												mm	INCH	DRAWN BY	DATE	TITLE SMT RECEPTACLE RIGHT ANGLE, DUAL ROW WITH AND WITHOUT PEG MOLEX INCORPORATED									
											4 PLACES	± ---	± ---	DJB	1995/03/15										
											3 PLACES	± ---	± ---	CHECKED BY	DATE										
											2 PLACES	± ---	± .01	DJB	1995/03/15										
											1 PLACE	± 0.25	± ---	APPROVED BY	DATE	MOLEX	DOCUMENT NO. SDA-71979-****					SHEET NO. 3 OF 12			
											ANGULAR ±1/2°			DJB	1995/03/15										
											DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		SEE TABLE									
														SIZE											
A3																									
H2										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															



RECOMMENDED P.C.B. LAYOUT



OPTION D ASSEMBLY

(ASSEMBLY WITHOUT PEG AND WITH LOWER ROW PINSTOP)

SECTION W-W

NOTES:

- 1.) MATERIALS:
HOUSING - LCP, 94V-0, BLACK
TERMINAL - PHOS. BRONZE ALLOY
- 2.) 8 CKT FOR ILLUSTRATION PURPOSES.
SEE CHART ON SHEET 10 FOR OTHER SIZES.
- 3.) SCRATCHES AND BURNISHING ALLOWED ON
TERMINAL TAILS PROVIDING BASE METAL
IS NOT EXPOSED.
- 4.) MANUFACTURED DATE CODE WEEK/YEAR.
- 5.) RECOMMENDED MATING PIN LENGTHS:
LOWER ROW - .200" MIN./ .250" MAX.
UPPER ROW - .200" MIN.
- 6.) REFER TO PS-71973-9999 FOR PERFORMANCE DATA.

PLATING:

- 15 GOLD 15 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT
AREA; 75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC
TAIL AREA OVER 50 MICROINCH MINIMUM NICKEL OVERALL.
 - 30 GOLD 30 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT
AREA; 75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC
TAIL AREA OVER 50 MICROINCH MINIMUM NICKEL OVERALL.
 - 50 GOLD 50 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT
AREA; 75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC
TAIL AREA OVER 50 MICROINCH MINIMUM NICKEL OVERALL.
- *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.

REVISED EC NO: S2009-0814 DRAWN:SKANG CHKD:ATSEE APPR:MLONG	2009/09/01 2009/09/04 2009/09/05	DESCRIPTION H2	REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
						IN/MM	NTS	INCH						
				▽=0	mm	INCH	DRAWN BY	DATE	TITLE SMT RECEPTACLE RIGHT ANGLE, DUAL ROW WITH AND WITHOUT PEG MOLEX INCORPORATED					
				▽=0	4 PLACES	± ---	± ---	DJB					1995/03/15	
					3 PLACES	± ---	± ---	CHECKED BY					DATE	
					2 PLACES	± ---	± .01	DJB					1995/03/15	
					1 PLACE	± 0.25	± ---	APPROVED BY					DATE	
						ANGULAR ±1/2°		DJB	1995/03/15	DOCUMENT NO.		SHEET NO.		
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SEE TABLE		SDA-71979-****		4 OF 12	
							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

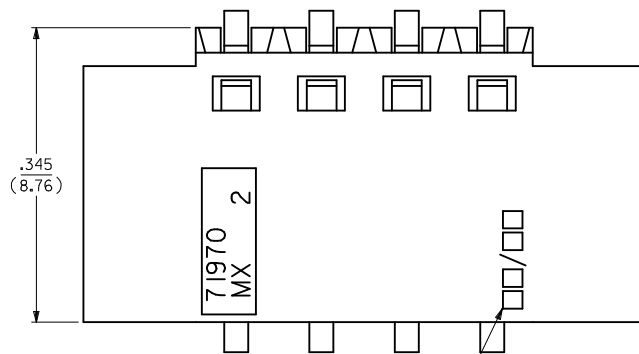
NOTES:

- 1.) MATERIALS:
HOUSING - VECTRA A-130, 94V-0, BLACK
TERMINAL - PHOS. BRONZE ALLOY 521.
- 2.) 8 CKT SHOWN FOR ILLUSTRATION PURPOSES.
SEE CHART ON SHEET 11 FOR OTHER SIZES.
- 3.) SCRATCHES AND BURNISHING ALLOWED ON
TERMINAL TAILS PROVIDING BASE METAL
IS NOT EXPOSED.
- 4.) MANUFACTURED DATE CODE WEEK/YEAR.
- 5.) RECOMMENDED MATING PIN LENGTHS:
LOWER ROW - .200" MIN./ .285" MAX.
UPPER ROW - .200" MIN.
- 6.) REFER TO PS-71973-9999 FOR PERFORMANCE DATA.

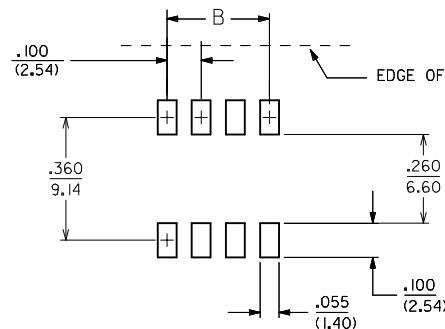
PLATING:

- 15 GOLD 15 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT
AREA; 75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC
TAIL AREA OVER 50 MICROINCH MINIMUM NICKEL OVERALL.
- 30 GOLD 30 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT
AREA; 75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC
TAIL AREA OVER 50 MICROINCH MINIMUM NICKEL OVERALL.
- 50 GOLD 50 MICROINCH MINIMUM SELECTIVE GOLD IN THE CONTACT
AREA; 75 MICROINCH MINIMUM SELECTIVE TIN IN THE PC
TAIL AREA OVER 50 MICROINCH MINIMUM NICKEL OVERALL.

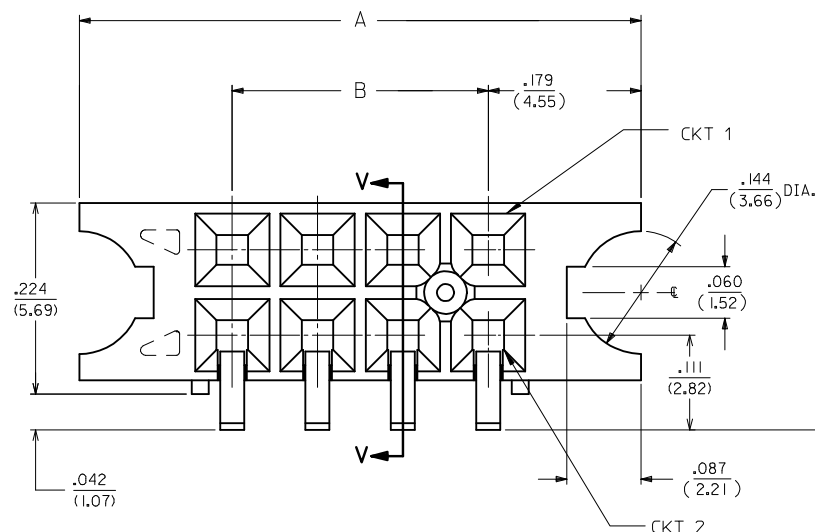
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CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.



4 DIGIT DATE CODE
SEE NOTE 4

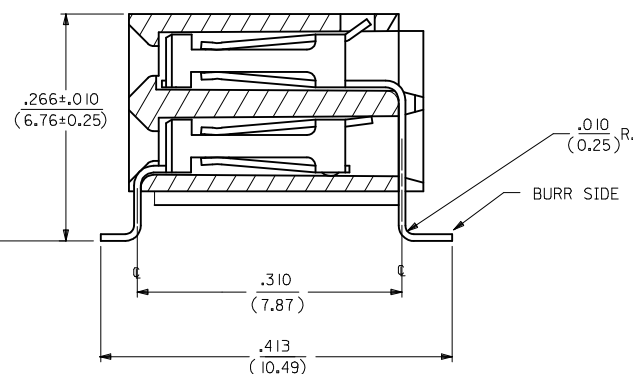


RECOMMENDED P.C.B. LAYOUT



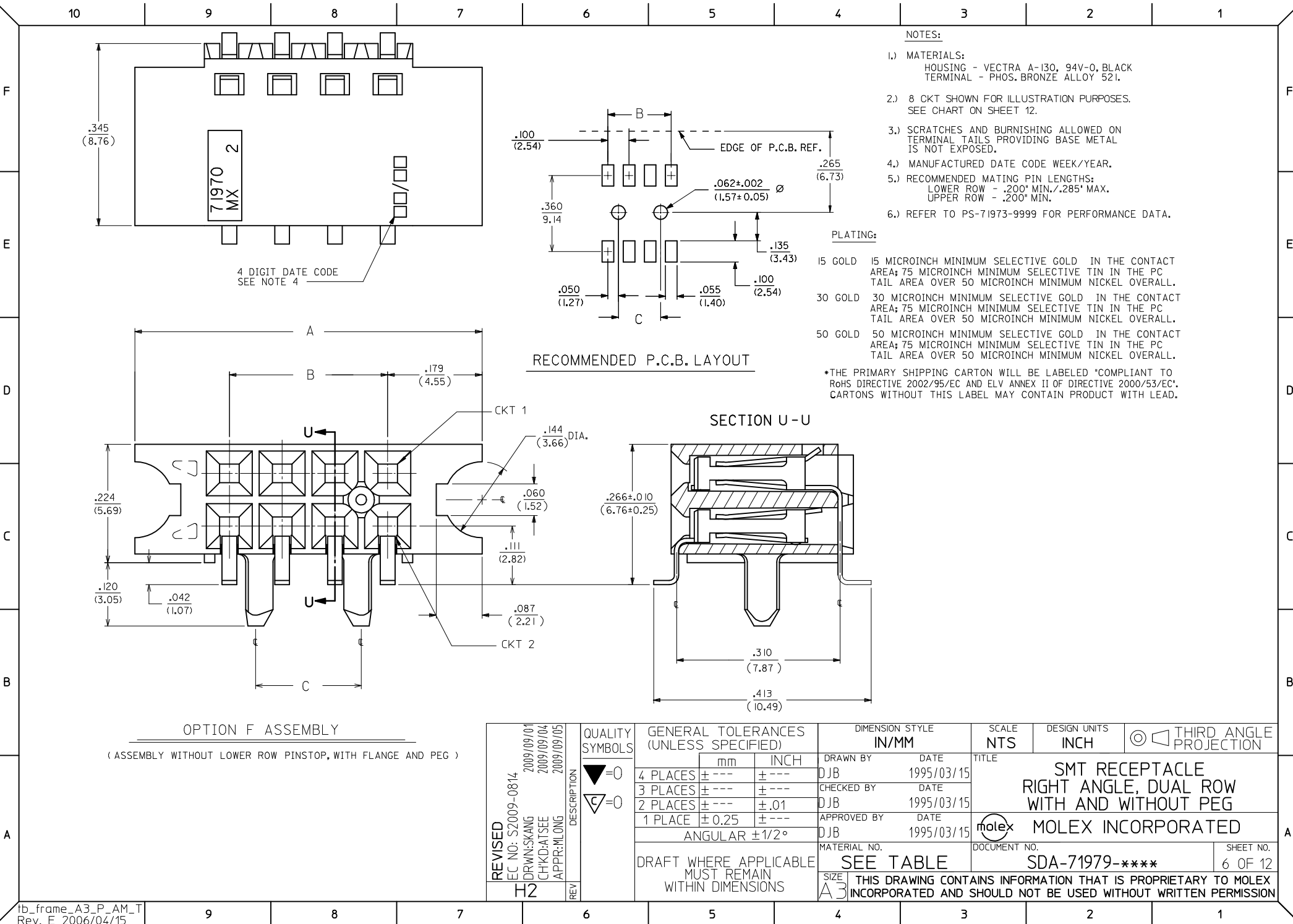
OPTION E ASSEMBLY

(ASSEMBLY WITHOUT PEG OR LOWER ROW PINSTOP, WITH FLANGE)



SECTION V - V

REVISED EC NO: S2009-0814 2009/09/01 DRWN:SKANG CHKD:ATSEE 2009/09/04 APPR:MLONG 2009/09/05	DESCRIPTION	QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
						IN/MM		NTS	INCH				
		 =0		mm	INCH	DRAWN BY	DATE	TITLE SMT RECEPTACLE RIGHT ANGLE, DUAL ROW WITH AND WITHOUT PEG  MOLEX INCORPORATED					
		 =0		4 PLACES	± ---	± ---	DJB						1995/03/15
				3 PLACES	± ---	± ---	CHECKED BY						DATE
				2 PLACES	± ---	± .01	DJB						1995/03/15
				1 PLACE	± 0.25	± ---	APPROVED BY						DATE
				ANGULAR ±1/2°		DJB	1995/03/15	DOCUMENT NO.					
				DRAFT WHERE APPLICABLE		MATERIAL NO.		SHEET NO.					
				MUST REMAIN		SEE TABLE		SDA-71979-****					
		WITHIN DIMENSIONS		SIZE		5 OF 12							
				A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



REVISED EC NO: S2009-0814 2009/09/04 DRWN:SKANG CHKD:ATSEE 2009/09/05 APPR:MLONG	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY DJB	DATE 1995/03/15	TITLE SMT RECEPTACLE RIGHT ANGLE, DUAL ROW WITH AND WITHOUT PEG				
			4 PLACES	± ---	± ---	CHECKED BY DJB	DATE 1995/03/15					
			3 PLACES	± ---	± ---	APPROVED BY DJB	DATE 1995/03/15	MOLEX INCORPORATED				
			2 PLACES	± ---	± .01	MATERIAL NO. SEE TABLE	DOCUMENT NO. SDA-71979-****					
			1 PLACE	± 0.25	± ---							
			ANGULAR ±1/2°									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												
H2			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	
		NO. OF CKTS				OPTION A ASSEMBLY PLATINGS PER ES-88-(****) (SEE SHEET I FOR PLATING SPECIFICATIONS)						DIMENSION						NO. OF CKTS				OPTION A ASSEMBLY PLATINGS PER ES-88-(****) (SEE SHEET I FOR PLATING SPECIFICATIONS)						DIMENSION											
		PER ROW	TOTAL					15 GOLD		30 GOLD		50 GOLD		A	B	C		PER ROW	TOTAL					15 GOLD		30 GOLD		50 GOLD		A	B	C							
F	4	8						71979-0204	71979-0304	71979-0404			.395 (10.03)	.300 (7.62)	.200 (5.08)		34	68						71979-0234	71979-0334	71979-0434		3.395 (86.23)	3.300 (83.82)	3.200 (81.28)									
	5	10						71979-0205	71979-0305	71979-0405			.495 (12.57)	.400 (10.16)	.300 (7.62)		35	70						71979-0235	71979-0335	71979-0435		3.495 (88.77)	3.400 (86.36)	3.300 (83.82)									
	6	12						71979-0206	71979-0306	71979-0406			.595 (15.11)	.500 (12.70)	.400 (10.16)		36	72						71979-0236	71979-0336	71979-0436		3.595 (91.31)	3.500 (88.90)	3.400 (86.36)									
	7	14						71979-0207	71979-0307	71979-0407			.695 (17.65)	.600 (15.24)	.500 (12.70)																								
	8	16						71979-0208	71979-0308	71979-0408			.795 (20.19)	.700 (17.78)	.600 (15.24)																								
E	9	18						71979-0209	71979-0309	71979-0409			.895 (22.73)	.800 (20.32)	.700 (17.78)																								
	10	20						71979-0210	71979-0310	71979-0410			.995 (25.27)	.900 (22.86)	.800 (20.32)																								
	11	22						71979-0211	71979-0311	71979-0411			1.095 (27.81)	1.000 (25.40)	.900 (22.86)																								
	12	24						71979-0212	71979-0312	71979-0412			1.195 (30.35)	1.100 (27.94)	1.000 (25.40)																								
	13	26						71979-0213	71979-0313	71979-0413			1.295 (32.89)	1.200 (30.48)	1.100 (27.94)																								
D	14	28						71979-0214	71979-0314	71979-0414			1.395 (35.43)	1.300 (33.02)	1.200 (30.48)																								
	15	30						71979-0215	71979-0315	71979-0415			1.495 (37.97)	1.400 (35.56)	1.300 (33.02)																								
	16	32						71979-0216	71979-0316	71979-0416			1.595 (40.51)	1.500 (38.10)	1.400 (35.56)																								
	17	34						71979-0217	71979-0317	71979-0417			1.695 (43.05)	1.600 (40.64)	1.500 (38.10)																								
	18	36						71979-0218	71979-0318	71979-0418			1.795 (45.59)	1.700 (43.18)	1.600 (40.64)																								
C	19	38						71979-0219	71979-0319	71979-0419			1.895 (48.13)	1.800 (45.72)	1.700 (43.18)																								
	20	40						71979-0220	71979-0320	71979-0420			1.995 (50.67)	1.900 (48.26)	1.800 (45.72)																								
	21	42						71979-0221	71979-0321	71979-0421			2.095 (53.21)	2.000 (50.80)	1.900 (48.26)																								
	22	44						71979-0222	71979-0322	71979-0422			2.195 (55.75)	2.100 (53.34)	2.000 (50.80)																								
	23	46						71979-0223	71979-0323	71979-0423			2.295 (58.29)	2.200 (55.88)	2.100 (53.34)																								
B	24	48						71979-0224	71979-0324	71979-0424			2.395 (60.83)	2.300 (58.42)	2.200 (55.88)																								
	25	50						71979-0225	71979-0325	71979-0425			2.495 (63.37)	2.400 (60.96)	2.300 (58.42)																								
	26	52						71979-0226	71979-0326	71979-0426			2.595 (65.91)	2.500 (63.50)	2.400 (60.96)																								
	27	54						71979-0227	71979-0327	71979-0427			2.695 (68.45)	2.600 (66.04)	2.500 (63.50)																								
	28	56						71979-0228	71979-0328	71979-0428			2.795 (70.99)	2.700 (68.58)	2.600 (66.04)																								
	29	58						71979-0229	71979-0329	71979-0429			2.895 (73.53)	2.800 (71.12)	2.700 (68.58)																								
	30	60						71979-0230	71979-0330	71979-0430			2.995 (76.07)	2.900 (73.66)	2.800 (71.12)																								
	31	62						71979-0231	71979-0331	71979-0431			3.095 (78.61)	3.000 (76.20)	2.900 (73.66)																								
	32	64						71979-0232	71979-0332	71979-0432			3.195 (81.15)	3.100 (78.74)	3.000 (76.20)																								
	33	66						71979-0233	71979-0333	71979-0433			3.295 (83.69)	3.200 (81.28)	3.100 (78.74)																								

NOTE: ALL CONNECTORS ARE PACKAGED IN TUBES PER PK-70873-0138		"X" INDICATES TOOLING IS NOT AVAILABLE.		REVISED EC NO: S2009-0814 2009/09/04 DRWN:SKANG CHKD:ATSEE 2009/09/04 APPR:MLONG 2009/09/05		QUALITY SYMBOLS ▽=0 ◻=0		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE NTS		DESIGN UNITS INCH		THIRD ANGLE PROJECTION	
								mm		INCH		DRAWN BY DJB		DATE 1995/03/15		TITLE SMT RECEPTACLE RIGHT ANGLE, DUAL ROW WITH AND WITHOUT PEG	
								4 PLACES ± --- ± ---		3 PLACES ± --- ± ---		CHECKED BY DJB		DATE 1995/03/15		APPROVED BY DJB	
								2 PLACES ± --- ± .01		1 PLACE ± 0.25 ± ---		DATE 1995/03/15		MATERIAL NO. SEE TABLE		DOCUMENT NO. SDA-71979-****	
								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		SHEET NO. 7 OF 12	

		10			9			8			7					6			5			4			3			2			1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
F	NO. OF CKTS			OPTION B ASSEMBLY PLATINGS PER ES-88-(***) (SEE SHEET I FOR PLATING SPECIFICATIONS)						DIMENSION				NO. OF CKTS			OPTION B ASSEMBLY PLATINGS PER ES-88-(***) (SEE SHEET I FOR PLATING SPECIFICATIONS)						DIMENSION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	PER ROW	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

A	NOTE: ALL CONNECTORS ARE PACKAGED IN TUBES PER PK-70873-0138				REVISED EC NO: S2009-0814 2009/09/01 DRWN:SKANG CHKD:ATSEE 2009/09/04 APPR:MLONG 2009/09/05	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
	"X" INDICATES TOOLING IS NOT AVAILABLE.							mm	INCH	DRAWN BY DJB		DATE 1995/03/15	TITLE SMT RECEPTACLE RIGHT ANGLE, DUAL ROW WITH AND WITHOUT PEG MOLEX INCORPORATED				
								4 PLACES	± ---	± ---	CHECKED BY DJB						DATE 1995/03/15
								3 PLACES	± ---	± ---	APPROVED BY DJB						DATE 1995/03/15
								2 PLACES	± ---	± .01							
				1 PLACE	± 0.25	± ---	ANGULAR ± 1/2°										
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO. SEE TABLE		DOCUMENT NO. SDA-71979-****		SHEET NO. 8 OF 12					
								SIZE A3		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. E 2006/04/15		9	8	7	6	5	4	3	2	1							

10										9			8			7			6			5			4			3			2			1		
NO. OF CKTS		PACKAGING: TUBES PER PK-70873-0138 TAPE AND REEL PER PK-70873-0918			OPTION C ASSEMBLY PLATINGS PER ES-88-(****) (SEE SHEET I FOR PLATING SPECIFICATIONS)						DIMENSION		NO. OF CKTS		PACKAGING: TUBES PER PK-70873-0138			OPTION C ASSEMBLY PLATINGS PER ES-88-(****) (SEE SHEET I FOR PLATING SPECIFICATIONS)						DIMENSION												
PER ROW	TOTAL				I5 GOLD		30 GOLD		50 GOLD		A	B	PER ROW	TOTAL				I5 GOLD		30 GOLD		50 GOLD		A	B											
4	8	PK-70873-0138				71979-1804		71979-1904		71979-2004	.395 (10.03)	.300 (7.62)	20	40	PK-70873-0138					71979-1820		71979-1920		71979-2020	1.995 (50.67)	1.900 (48.26)										
		PK-70873-0918			X	71979-3804	X	71979-3904	X	71979-4004			21	42	PK-70873-0138					71979-1821		71979-1921		71979-2021	2.095 (53.21)	2.000 (50.80)										
5	10	PK-70873-0138				71979-1805		71979-1905		71979-2005	.495 (12.57)	.400 (10.16)	22	44	PK-70873-0138					71979-1822		71979-1922		71979-2022	2.195 (55.75)	2.100 (53.34)										
		PK-70873-0918			X	71979-3805	X	71979-3905	X	71979-4005			23	46	PK-70873-0138					71979-1823		71979-1923		71979-2023	2.295 (58.29)	2.200 (55.88)										
6	12	PK-70873-0138				71979-1806		71979-1906		71979-2006	.595 (15.11)	.500 (12.70)	24	48	PK-70873-0138					71979-1824		71979-1924		71979-2024	2.395 (60.83)	2.300 (58.42)										
		PK-70873-0918			X	71979-3806	X	71979-3906	X	71979-4006			25	50	PK-70873-0138					71979-1825		71979-1925		71979-2025	2.495 (63.37)	2.400 (60.96)										
7	14	PK-70873-0138				71979-1807		71979-1907		71979-2007	.695 (17.65)	.600 (15.24)	26	52	PK-70873-0138					71979-1826		71979-1926		71979-2026	2.595 (65.91)	2.500 (63.50)										
		PK-70873-0918			X	71979-3807	X	71979-3907	X	71979-4007			27	54	PK-70873-0138					71979-1827		71979-1927		71979-2027	2.695 (68.45)	2.600 (66.04)										
8	16	PK-70873-0138				71979-1808		71979-1908		71979-2008	.795 (20.19)	.700 (17.78)	28	56	PK-70873-0138					71979-1828		71979-1928		71979-2028	2.795 (70.99)	2.700 (68.58)										
		PK-70873-0918			X	71979-3808	X	71979-3908	X	71979-4008			29	58	PK-70873-0138					71979-1829		71979-1929		71979-2029	2.895 (73.53)	2.800 (71.12)										
9	18	PK-70873-0138				71979-1809		71979-1909		71979-2009	.895 (22.73)	.800 (20.32)	30	60	PK-70873-0138					71979-1830		71979-1930		71979-2030	2.995 (76.07)	2.900 (73.66)										
		PK-70873-0918			X	71979-3809	X	71979-3909	X	71979-4009			31	62	PK-70873-0138					71979-1831		71979-1931		71979-2031	3.095 (78.61)	3.000 (76.20)										
10	20	PK-70873-0138				71979-1810		71979-1910		71979-2010	.995 (25.27)	.900 (22.86)	32	64	PK-70873-0138					71979-1832		71979-1932		71979-2032	3.195 (81.15)	3.100 (78.74)										
		PK-70873-0918			X	71979-3810	X	71979-3910	X	71979-4010			33	66	PK-70873-0138					71979-1833		71979-1933		71979-2033	3.295 (83.69)	3.200 (81.28)										
11	22	PK-70873-0138				71979-1811		71979-1911		71979-2011	1.095 (27.81)	1.000 (25.40)	34	68	PK-70873-0138					71979-1834		71979-1934		71979-2034	3.395 (86.23)	3.300 (83.82)										
		PK-70873-0918			X	71979-3811	X	71979-3911	X	71979-4011			35	70	PK-70873-0138					71979-1835		71979-1935		71979-2035	3.495 (88.77)	3.400 (86.36)										
12	24	PK-70873-0138				71979-1812		71979-1912		71979-2012	1.195 (30.35)	1.100 (27.94)	36	72	PK-70873-0138					71979-1836		71979-1936		71979-2036	3.595 (91.31)	3.500 (88.90)										
		PK-70873-0918			X	71979-3812	X	71979-3912	X	71979-4012																										
13	26	PK-70873-0138				71979-1813		71979-1913		71979-2013	1.295 (32.89)	1.200 (30.48)																								
		PK-70873-0918			X	71979-3813	X	71979-3913	X	71979-4013																										
14	28	PK-70873-0138				71979-1814		71979-1914		71979-2014	1.395 (35.43)	1.300 (33.02)																								
		PK-70873-0918			X	71979-3814	X	71979-3914	X	71979-4014																										
15	30	PK-70873-0138				71979-1815		71979-1915		71979-2015	1.495 (37.97)	1.400 (35.56)																								
		PK-70873-0918			X	71979-3815	X	71979-3915	X	71979-4015																										
16	32	PK-70873-0138				71979-1816		71979-1916		71979-2016	1.595 (40.51)	1.500 (38.10)																								
		PK-70873-0918			X	71979-3816	X	71979-3916	X	71979-4016																										
17	34	PK-70873-0138				71979-1817		71979-1917		71979-2017	1.695 (43.05)	1.600 (40.64)																								
		PK-70873-0918			X	71979-3817	X	71979-3917	X	71979-4017																										
18	36	PK-70873-0138				71979-1818		71979-1918		71979-2018	1.795 (45.59)	1.700 (43.18)																								
		PK-70873-0918			X	71979-3818	X	71979-3918	X	71979-4018																										
19	38	PK-70873-0138				71979-1819		71979-1919		71979-2019	1.895 (48.13)	1.800 (45.72)																								
		PK-70873-0918			X	71979-3819	X	71979-3919	X	71979-4019																										

	10	9	8	7	6	5	4	3	2	1	
F	NO. OF CKTS		OPTION E ASSEMBLY PLATING PER ES-88-(***) (SEE SHEET I FOR PLATING SPECIFICATIONS)				DIMENSION				F
	PER ROW	TOTAL		15 GOLD	30 GOLD	50 GOLD	A	B			
	4	8		71979-3004	71979-3104	71979-3204	.658 (16.71)	.300 (7.62)			
	5	10		71979-3005	71979-3105	71979-3205	.758 (19.25)	.400 (10.16)			
	6	12		71979-3006	71979-3106	71979-3206	.858 (21.79)	.500 (12.70)			
	7	14		71979-3007	71979-3107	71979-3207	.958 (24.33)	.600 (15.24)			
	8	16		71979-3008	71979-3108	71979-3208	1.058 (26.87)	.700 (17.78)			
	9	18		71979-3009	71979-3109	71979-3209	1.158 (29.41)	.800 (20.32)			
	10	20		71979-3010	71979-3110	71979-3210	1.258 (31.95)	.900 (22.86)			
E	11	22		71979-3011	71979-3111	71979-3211	1.358 (34.49)	1.000 (25.40)			E
	12	24		71979-3012	71979-3112	71979-3212	1.458 (37.03)	1.100 (27.94)			
	13	26		71979-3013	71979-3113	71979-3213	1.558 (39.57)	1.200 (30.48)			
	14	28		71979-3014	71979-3114	71979-3214	1.658 (42.11)	1.300 (33.02)			
	15	30		71979-3015	71979-3115	71979-3215	1.758 (44.65)	1.400 (35.56)			
	16	32		71979-3016	71979-3116	71979-3216	1.858 (47.19)	1.500 (38.10)			
	17	34		71979-3017	71979-3117	71979-3217	1.958 (49.73)	1.600 (40.64)			
D	18	36		71979-3018	71979-3118	71979-3218	2.058 (52.27)	1.700 (43.18)			D
	19	38		71979-3019	71979-3119	71979-3219	2.158 (54.81)	1.800 (45.72)			
	20	40		71979-3020	71979-3120	71979-3220	2.258 (57.35)	1.900 (48.26)			
	21	42		71979-3021	71979-3121	71979-3221	2.358 (59.89)	2.000 (50.80)			
	22	44		71979-3022	71979-3122	71979-3222	2.458 (62.43)	2.100 (53.34)			
	23	46		71979-3023	71979-3123	71979-3223	2.558 (64.97)	2.200 (55.88)			
	24	48		71979-3024	71979-3124	71979-3224	2.658 (67.51)	2.300 (58.42)			
	25	50		71979-3025	71979-3125	71979-3225	2.758 (70.05)	2.400 (60.96)			
C	26	52		71979-3026	71979-3126	71979-3226	2.858 (72.59)	2.500 (63.50)			C
	27	54		71979-3027	71979-3127	71979-3227	2.958 (75.13)	2.600 (66.04)			
	28	56		71979-3028	71979-3128	71979-3228	3.058 (77.67)	2.700 (68.58)			
	29	58		71979-3029	71979-3129	71979-3229	3.158 (80.21)	2.800 (71.12)			
	30	60		71979-3030	71979-3130	71979-3230	3.258 (82.75)	2.900 (73.66)			
	31	62		71979-3031	71979-3131	71979-3231	3.358 (85.29)	3.000 (76.20)			
	32	64		71979-3032	71979-3132	71979-3232	3.458 (87.83)	3.100 (78.74)			
B	33	66		71979-3033	71979-3133	71979-3233	3.558 (90.37)	3.200 (81.28)			B

NOTE: ALL CONNECTORS ARE PACKAGED IN TUBES PER PK-70873-0139

"X" INDICATES TOOLING IS NOT AVAILABLE.

REVISED
EC NO: S2009-0814
2009/09/01
DRWN:SKANG
CHKD:ATSEE
2009/09/04
APPR:MLONG
2009/09/05

QUALITY SYMBOLS
▽=0
▽=0
DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± .01
1 PLACE	± 0.25	± ---
ANGULAR ± 1/2°		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
IN/MM

DRAWN BY	DATE
DJB	1995/03/15
CHECKED BY	DATE
DJB	1995/03/15
APPROVED BY	DATE
DJB	1995/03/15
MATERIAL NO.	
SEE TABLE	
SIZE	
A3	

SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
TITLE SMT RECEPTACLE RIGHT ANGLE, DUAL ROW WITH AND WITHOUT PEG		
MOLEX INCORPORATED		
DOCUMENT NO. SDA-71979-****		SHEET NO. 11 OF 12
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	
		NO. OF CKTS				OPTION F ASSEMBLY PLATING PER ES-88-(***) (SEE SHEET I FOR PLATING SPECIFICATIONS)						DIMENSION					NO. OF CKTS				OPTION F ASSEMBLY PLATING PER ES-88-(***) (SEE SHEET I FOR PLATING SPECIFICATIONS)						DIMENSION												
		PER ROW	TOTAL					15 GOLD		30 GOLD		50 GOLD		A	B	C			PER ROW	TOTAL					15 GOLD		30 GOLD		50 GOLD		A	B	C						
F		4	8					71979-3404	71979-3504	71979-3604	.658 (16.71)	.300 (7.62)	.200 (5.08)					34	68					71979-3434	71979-3534	71979-3634	3.658 (92.91)	3.300 (83.82)	3.200 (81.28)										
		5	10					71979-3405	71979-3505	71979-3605	.758 (19.25)	.400 (10.16)	.300 (7.62)					35	70					71979-3435	71979-3535	71979-3635	3.758 (95.45)	3.400 (86.36)	3.300 (83.82)										
		6	12					71979-3406	71979-3506	71979-3606	.858 (21.79)	.500 (12.70)	.400 (10.16)					36	72					71979-3436	71979-3536	71979-3636	3.858 (97.99)	3.500 (88.90)	3.400 (86.36)										
		7	14					71979-3407	71979-3507	71979-3607	.958 (24.33)	.600 (15.24)	.500 (12.70)																										
		8	16					71979-3408	71979-3508	71979-3608	1.058 (26.87)	.700 (17.78)	.600 (15.24)																										
		9	18					71979-3409	71979-3509	71979-3609	1.158 (29.41)	.800 (20.32)	.700 (17.78)																										
		10	20					71979-3410	71979-3510	71979-3610	1.258 (31.95)	.900 (22.86)	.800 (20.32)																										
E		11	22					71979-3411	71979-3511	71979-3611	1.358 (34.49)	1.000 (25.40)	.900 (22.86)																										
		12	24					71979-3412	71979-3512	71979-3612	1.458 (37.03)	1.100 (27.94)	1.000 (25.40)																										
		13	26					71979-3413	71979-3513	71979-3613	1.558 (39.57)	1.200 (30.48)	1.100 (27.94)																										
		14	28					71979-3414	71979-3514	71979-3614	1.658 (42.11)	1.300 (33.02)	1.200 (30.48)																										
		15	30					71979-3415	71979-3515	71979-3615	1.758 (44.65)	1.400 (35.56)	1.300 (33.02)																										
		16	32					71979-3416	71979-3516	71979-3616	1.858 (47.19)	1.500 (38.10)	1.400 (35.56)																										
		17	34					71979-3417	71979-3517	71979-3617	1.958 (49.73)	1.600 (40.64)	1.500 (38.10)																										
D		18	36					71979-3418	71979-3518	71979-3618	2.058 (52.27)	1.700 (43.18)	1.600 (40.64)																										
		19	38					71979-3419	71979-3519	71979-3619	2.158 (54.81)	1.800 (45.72)	1.700 (43.18)																										
		20	40					71979-3420	71979-3520	71979-3620	2.258 (57.35)	1.900 (48.26)	1.800 (45.72)																										
		21	42					71979-3421	71979-3521	71979-3621	2.358 (59.89)	2.000 (50.80)	1.900 (48.26)																										
		22	44					71979-3422	71979-3522	71979-3622	2.458 (62.43)	2.100 (53.34)	2.000 (50.80)																										
		23	46					71979-3423	71979-3523	71979-3623	2.558 (64.97)	2.200 (55.88)	2.100 (53.34)																										
		24	48					71979-3424	71979-3524	71979-3624	2.658 (67.51)	2.300 (58.42)	2.200 (55.88)																										
		25	50					71979-3425	71979-3525	71979-3625	2.758 (70.05)	2.400 (60.96)	2.300 (58.42)																										
C		26	52					71979-3426	71979-3526	71979-3626	2.858 (72.59)	2.500 (63.50)	2.400 (60.96)																										
		27	54					71979-3427	71979-3527	71979-3627	2.958 (75.13)	2.600 (66.04)	2.500 (63.50)																										
		28	56					71979-3428	71979-3528	71979-3628	3.058 (77.67)	2.700 (68.58)	2.600 (66.04)																										
		29	58					71979-3429	71979-3529	71979-3629	3.158 (80.21)	2.800 (71.12)	2.700 (68.58)																										
		30	60					71979-3430	71979-3530	71979-3630	3.258 (82.75)	2.900 (73.66)	2.800 (71.12)																										
		31	62					71979-3431	71979-3531	71979-3631	3.358 (85.29)	3.000 (76.20)	2.900 (73.66)																										
		32	64					71979-3432	71979-3532	71979-3632	3.458 (87.83)	3.100 (78.74)	3.000 (76.20)																										
B		33	66					71979-3433	71979-3533	71979-3633	3.558 (90.37)	3.200 (81.28)	3.100 (78.74)																										

NOTE: ALL CONNECTORS ARE PACKAGED IN TUBES PER PK-70873-0139 "X" INDICATES TOOLING IS NOT AVAILABLE.		REVISED EC NO: S2009-0814 DRWN:SKANG CHKD:ATSEE APPR:MLONG 2009/09/04 2009/09/05		QUALITY SYMBOLS ▽=0 ◻=0		GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± .01 1 PLACE ± 0.25 ± --- ANGULAR ± 1/2°		DIMENSION STYLE IN/MM DRAWN BY DATE DJB 1995/03/15 CHECKED BY DATE DJB 1995/03/15 APPROVED BY DATE DJB 1995/03/15 MATERIAL NO.		SCALE NTS DESIGN UNITS INCH THIRD ANGLE PROJECTION		SMT RECEPTACLE RIGHT ANGLE, DUAL ROW WITH AND WITHOUT PEG MOLEX INCORPORATED		DOCUMENT NO. SDA-71979-**** SHEET NO. 12 OF 12	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											