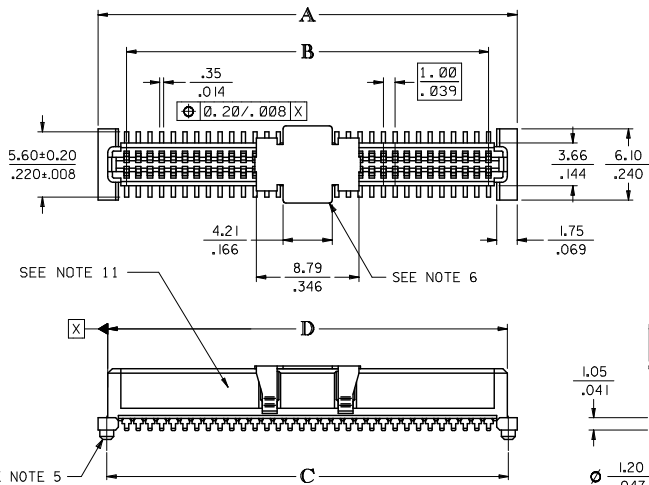
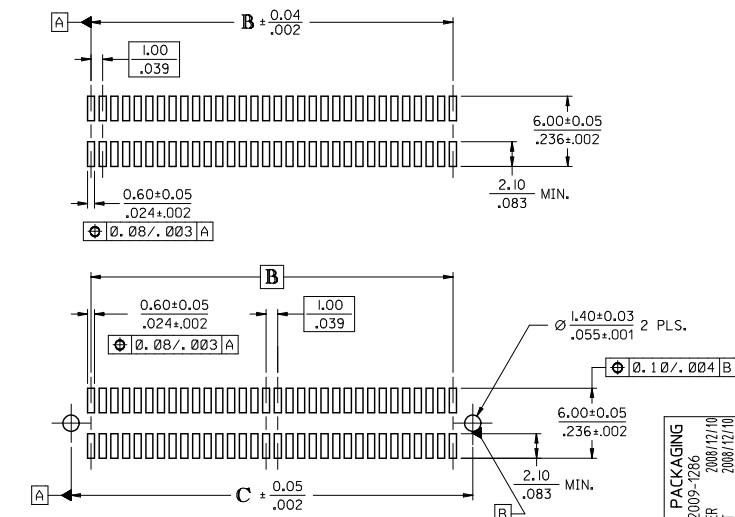


13 12 11 10 9 8 7 6 5 4 3 2 1



CIRCUIT SIZE	DIM. A	DIM. B	DIM. C	DIM. D
20	13.90	9.00	12.40	12.22
	.547	.354	.488	.481
30	18.90	14.00	17.40	17.22
	.744	.551	.685	.678
40	23.90	19.00	22.40	22.22
	.941	.748	.882	.875
50	28.90	24.00	27.40	27.22
	1.138	.945	1.079	1.072
60	33.90	29.00	32.40	32.22
	1.335	1.142	1.276	1.269
64	35.90	31.00	34.40	34.22
	1.413	1.220	1.354	1.347
70	38.90	34.00	37.40	37.22
	1.531	1.339	1.472	1.465
80	43.90	39.00	42.40	42.22
	1.728	1.535	1.669	1.662
84	45.90	41.00	44.40	44.22
	1.807	1.614	1.748	1.741
90	48.90	44.00	47.40	47.22
	1.925	1.732	1.866	1.859
100	53.90	49.00	52.40	52.22
	2.122	1.929	2.063	2.056
110	58.90	54.00	57.40	57.22
	2.319	2.126	2.260	2.253
120	63.90	59.00	62.40	62.22
	2.516	2.323	2.457	2.450



- NOTES:**
- HOUSING MATERIAL: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP); UL 94V-0; SEE SHEET 2 FOR COLOR.  
TERMINAL MATERIAL: PHOSPHOR BRONZE; 0.205/.0080 THICK  
VACUUM CAP MATERIAL: STAINLESS STEEL; 0.255/.0100 THICK
  - CONTACT PLATING FINISH: REFER TO CHART ON SHEET 2
  - THIS PART, WHEN MATED WITH MOLEX 1.0mm PLUG CONNECTOR SERIES 71439, CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-71436-9999. REFER TO CHART ON SHEET 2 FOR MATED STACK HEIGHTS FOR THIS RECEPTACLE.
  - PACKAGING SPECIFICATIONS: REFER TO CHART ON SHEET 2.
  - PEGS ARE OPTIONAL. REFER TO CHART ON SHEET 2.
  - VACUUM PICK & PLACE CAP IS OPTIONAL. REFER TO CHART ON SHEET 2.
  - THIS PART CONFORMS TO EIA STANDARD 700 AAAB FOR 1.0mm TWO-PART CONNECTORS FOR USE WITH PARALLEL PRINTED BOARDS.
  - COPLANARITY OF SMT TAILS; 0.10 MM/.004 INCH MAXIMUM
  - 64-CIRCUIT RECEPTACLE ASSEMBLY WITH PEGS AND VACUUM CAP SHOWN FOR ILLUSTRATION PURPOSES ONLY.
  - INCH DIMENSIONS SHOWN FOR REFERENCE ONLY.
  - ASSEMBLY TO HAVE DATE CODE: XX XX  
WEEK \_\_\_\_\_ YEAR

**RECOMMENDED PCB LAYOUT  
(WITH AND WITHOUT PEGS)**

RECOMMENDED PCB THICKNESS: 1.00±0.10/.039±.004

<b>CHG TUBE PACKAGING</b> EC NO. UCP2009-1286 DRAWN: BARKER 2008/12/10 CHKD: SMART 2008/12/10 APPR: SHILLER 2008/12/10	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		4 PLACES ±---	±---	mm	INCH	DRAWN BY	DATE	TITLE	ASSY MFG. 1.0MM BOARD TO BOARD RECEPT CONNECTOR 5.30/.209 HIGH <b>MOLEX INCORPORATED</b>
		3 PLACES ±---	±.005			CHECKED BY	DATE		
		2 PLACES ±0.13	±.01			APPROVED BY	DATE		
1 PLACE ±0.25	±---			BIXLER	1995/04/03				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		MATERIAL NO. DOCUMENT NO.		SDA-71439-0***		SHEET NO. 1 OF 2	

12 11 10 9 8 7 6 5 4 3 2 1

13 12 11 10 9 8 7 6 5 4 3 2 1

**WHITE (NATURAL) MATERIAL**

PART NUMBER	CIRCUIT SIZE	CONTACT PLATING SEE NOTE BELOW CHARTS	PEGS	PICK & PLACE CAP	PACKAGING SPEC. NUMBER	PACKAGING TYPE
71439-0164	64	30 GOLD	YES	NO	PK-70873-013	TUBE
71439-0264	64	50 GOLD	NO	YES	PK-70873-063	TAPE & REEL
71439-0364	64	30 GOLD	YES	YES	PK-70873-014	TUBE
71439-0464	64	30 GOLD	YES	YES	PK-70873-063	TAPE & REEL
71439-0564	64	30 GOLD	NO	NO	PK-70873-015	TUBE
71439-0764	64	30 GOLD	NO	YES	PK-70873-017	TUBE
71439-0864	64	30 GOLD	NO	YES	PK-70873-063	TAPE & REEL
71439-0664	64	50 GOLD	YES	NO	PK-70873-013	TUBE
71439-0064	64	50 GOLD	NO	NO	PK-70873-015	TUBE

**BLACK MATERIAL**

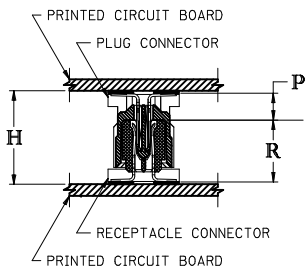
PART NUMBER	CIRCUIT SIZE	CONTACT PLATING SEE NOTE BELOW CHARTS	PEGS	PICK & PLACE CAP	PACKAGING SPEC. NUMBER	PACKAGING TYPE
71439-0964	64	30 GOLD	NO	YES	PK-70873-063	TAPE & REEL

**CONTACT PLATING:**

- 30 GOLD - 0.76 MICROMETER/30 MICROINCH MINIMUM GOLD IN CONTACT AREA AND 1.91 MICROMETER/75 MICROINCH MINIMUM TIN IN SOLDER TAIL AREA. NICKEL UNDERPLATE OVER ENTIRE TERMINAL.
- 50 GOLD - 1.27 MICROMETER/50 MICROINCH MINIMUM GOLD IN CONTACT AREA AND 1.91 MICROMETER/75 MICROINCH MINIMUM TIN IN SOLDER TAIL AREA. NICKEL UNDERPLATE OVER ENTIRE TERMINAL.

**RECOMMENDED PLUG/RECEPTACLE COMBINATION FOR MATED STACK HEIGHT PER EIA STANDARD 700 AAAB**

MATED STACK HEIGHT	RECEPTACLE HEIGHT	RECEPTACLE SERIES NO.	PLUG HEIGHT	PLUG SERIES NO.
8.00/.315	5.30/.209	71439-0***	2.30/.090	71436-0***
9.00/.354	5.30/.209	71439-0***	3.30/.130	71436-1***
10.00/.394	5.30/.209	71439-0***	4.30/.169	71436-2***



PLUG STACK HEIGHT  
+ RECEPTACLE STACK HEIGHT  
+ 0.40/.016 (SOLDER PASTE ALLOWANCE)  
= MATED STACK HEIGHT

P = PLUG STACK HEIGHT  
R = RECEPTACLE STACK HEIGHT  
H = MATED STACK HEIGHT

<b>CHG. TUBE PACKAGING</b> EC. NO. UCP2009-1266 2008/12/10 DRAWN BY: BARKER 2008/12/10 CHK: CHS/MART APPR: SPILLER 2008/12/10	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE INCH	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		4 PLACES ±.005 ±.005	mm	INCH	DRAWN BY	DATE	TITLE ASSY MFG. 1.0MM BOARD TO BOARD RECEPT CONNECTOR 5.30/209 HIGH		
		3 PLACES ±.01 ±.01			CHECKED BY	DATE	MOLEX INCORPORATED		
		2 PLACES ±.01 ±.01			APPROVED BY	DATE	DOCUMENT NO. SDA-71439-0***		
1 PLACE ±0.25 ±.01			BIXLER	1995/04/03	MATERIAL NO. SEE TABLE		SHEET NO. 2 OF 2		
ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

12 11 10 9 8 7 6 5 4 3 2 1