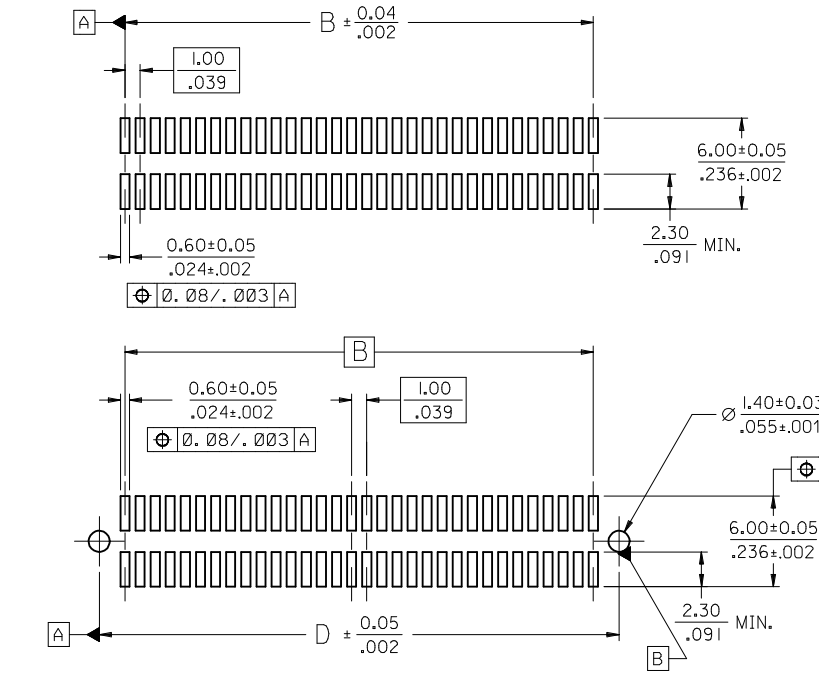


CIRCUIT SIZE	DIM. A	DIM. B	DIM. C	DIM. D
20	13.90 .547	9.00 .354	12.58 .495	12.40 .488
30	18.90 .744	14.00 .551	17.58 .692	17.40 .685
40	23.90 .941	19.00 .748	22.58 .889	22.40 .882
50	28.90 1.138	24.00 .945	27.58 1.086	27.40 1.079
60	33.90 1.335	29.00 1.142	32.58 1.283	32.40 1.276
64	35.90 1.413	31.00 1.220	34.58 1.361	34.40 1.354
70	38.90 1.531	34.00 1.339	37.58 1.480	37.40 1.472
80	43.90 1.728	39.00 1.535	42.58 1.676	42.40 1.669
84	45.90 1.807	41.00 1.614	44.58 1.755	44.40 1.748
90	48.90 1.925	44.00 1.732	47.58 1.873	47.40 1.866
100	53.90 2.122	49.00 1.929	52.58 2.070	52.40 2.063
110	58.90 2.319	54.00 2.126	57.58 2.267	57.40 2.260
120	63.90 2.516	59.00 2.323	62.58 2.464	62.40 2.457

NOTES:

- HOUSING MATERIAL: LIQUID CRYSTAL POLYMER (LCP) GLASS FILLED.; UL RATING: 94V-0; COLOR: WHITE OR BLACK  
TERMINAL MATERIAL: PHOSPHOR BRONZE; 0.205/.0080 THICK  
VACUUM CAP MATERIAL: STAINLESS STEEL; 0.255/.0100 THICK
- PLATING FINISHES: SEE SHEET 2
- PRODUCT SPECIFICATION: PS-71436-999
- PACKAGING SPECIFICATIONS: REFER TO CHART ON SHEET 2.
- MATES WITH: 71439 SERIES. SEE SHEET 2 FOR MATING VIEW AND STACK HEIGHT.
- 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/.004 MAX.
- 64-CIRCUIT PLUG ASSEMBLY WITH PEGS AND VACUUM CAP SHOWN FOR ILLUSTRATION PURPOSES ONLY.
- DIMENSIONS ARE IN mm/IN. 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 MIN.

P/N -2064 TO PK -0606	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
EC NO: UCP2015-1406	▽=0	mm INCH	MM/IN	METRIC		
DRWINRHIPPLE 2014/10/14	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE			
CHKD:BBARKER 2014/10/14	▽=0	3 PLACES ± --- ± .005	CHECKED BY DATE			
APPR:SMILLER 2014/10/27	▽=0	2 PLACES ± 0.13 ± .01	REED 1995/03/23			
		1 PLACE ± 0.25 ± ---	REED 1995/01/23			
		0 PLACE ± --- ± ---	APPROVED BY DATE			
			SMILLER 2014/10/27			
			MATERIAL NO.			
			SEE SHEET 2			
			DOCUMENT NO.			
			SDA-71436-2***			
			SHEET NO.			
			1 OF 2			

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

SALES ASSY, 1.0MM BOARD TO BOARD PLUG CONNECTOR 4.30/.169 STACK HEIGHT  
**molex**  
DOCUMENT NO. SDA-71436-2\*\*\*  
SHEET NO. 1 OF 2

## WHITE (NATURAL) MATERIAL

CIRCUIT SIZE	PLUG ASSEMBLY ITEM NUMBER	PEGS	CONTACT PLATING (SEE PLATING NOTES)	PICK & PLACE CAP	PACKAGING SPEC. NUMBER	PACKAGING TYPE
64	71436-2164	YES	30 GOLD	NO	PK-70873-0607	TUBE
64	71436-2364	YES	30 GOLD	YES	PK-70873-0607	TUBE
64	71436-2464	YES	30 GOLD	YES	PK-70873-063	TAPE & REEL
64	71436-2564	NO	30 GOLD	NO	PK-70873-0606	TUBE
64	71436-2764	NO	30 GOLD	YES	PK-70873-0606	TUBE
64	71436-2864	NO	30 GOLD	YES	PK-70873-063	TAPE & REEL
64	71436-2264	NO	50 GOLD	YES	PK-70873-063	TAPE & REEL
64	71436-2664	YES	50 GOLD	NO	PK-70873-0607	TUBE
64	71436-2064	NO	50 GOLD	NO	PK-70873-0606	TUBE

### PLATING NOTES:

30 GOLD: SELECTIVE GOLD (Au) IN THE CONTACT AREA;  
THICKNESS = 0.76 MICROMETERS (30 MICROINCHES) MINIMUM;  
SELECTIVE TIN (Sn) IN THE PC TAIL AREA;  
THICKNESS = 1.88 MICROMETERS (75 MICROINCHES) MINIMUM;  
NICKEL UNDERPLATE OVERALL.

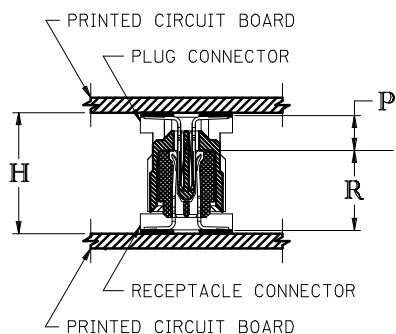
50 GOLD: SELECTIVE GOLD (Au) IN THE CONTACT AREA;  
THICKNESS = 1.27 MICROMETERS (50 MICROINCHES) MINIMUM;  
SELECTIVE TIN (Sn) IN THE PC TAIL AREA;  
THICKNESS = 1.88 MICROMETERS (75 MICROINCHES) MINIMUM;  
NICKEL UNDERPLATE OVERALL.

## BLACK MATERIAL WITH PICK & PLACE CAP

CIRCUIT SIZE	PLUG ASSEMBLY ITEM NUMBER	PEGS	CONTACT PLATING (SEE NOTES PAGE2)	PICK & PLACE CAP	PACKAGING SPEC. NUMBER	PACKAGING TYPE
64	71436-2964	NO	30 GOLD	YES	PK-70873-063	TAPE & REEL

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.
10.00/.394	5.30/.209	71439-0***	4.30/.169	71436-2***
12.00/.472	7.30/.287	71439-1***	4.30/.169	71436-2***
13.00/.512	8.30/.327	71439-2***	4.30/.169	71436-2***
15.00/.591	10.30/.406	71439-3***	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

SEE SHEET 1 EC NO: UCP2015-1406 DRW:RMH/PPLE 2014/10/14 CHKD:BBARKER 2014/10/14 APPR:SMILLER 2014/10/27	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm	INCH	DRAWN BY REED	DATE 1995/03/23	TITLE SALES ASSY, 10MM BOARD TO BOARD PLUG CONNECTOR 4.30/.169 STACK HEIGHT			
		4 PLACES	± .005	± .005	CHECKED BY REED	DATE 1995/01/23			
		3 PLACES	± .01	± .01	APPROVED BY SMILLER	DATE 2014/10/27			
		2 PLACES	± .025	± .025					
		1 PLACE	± .05	± .05					
		0 PLACE	± .05	± .05					
		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLES		SDA-71436-2***		2 OF 2	
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