

**RECOMMENDED PCB LAYOUT**

RECOMMENDED PCB THICKNESS: 1.0±0.1mm MIN.

**RECOMMENDED PCB LAYOUT  
(WITHOUT PEGS)**

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**NOTES:**

- HOUSING MATERIAL: G.F. THERMOPLASTIC; UL RATING: 94V-0; COLOR: WHITE  
TERMINAL MATERIAL: PHOSPHOR BRONZE  
VACUUM CAP MATERIAL: STAINLESS STEEL
- COPLANARITY OF SMT TAILS: 0.10 MAX.
- PACKAGING SPECIFICATIONS: REFER TO CHART
- DIMENSIONS ARE IN MILLIMETERS.
- THIS PART, WHEN MATED WITH MOLEX U.S. PART NO. 71742-0\*\*\* OR MOLEX JAPAN PART NO. 52841-0848, CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-71741-9999.

71741-0004	YES	YES	PK-70873-063	TAPE & REEL	0.76 GOLD
71741-0003	NO	YES	PK-70873-063	TAPE & REEL	0.76 GOLD
71741-0002	YES	YES	PK-70873-063	TAPE & REEL	0.25 GOLD
71741-0001	YES	NO	PK-70873-0607	TUBE	0.25 GOLD
ITEM NUMBER	PEGS	PICK & PLACE CAP	PACKAGING SPEC. NUMBER	PACKAGING TYPE	TERMINAL PLATING

**PLATING**

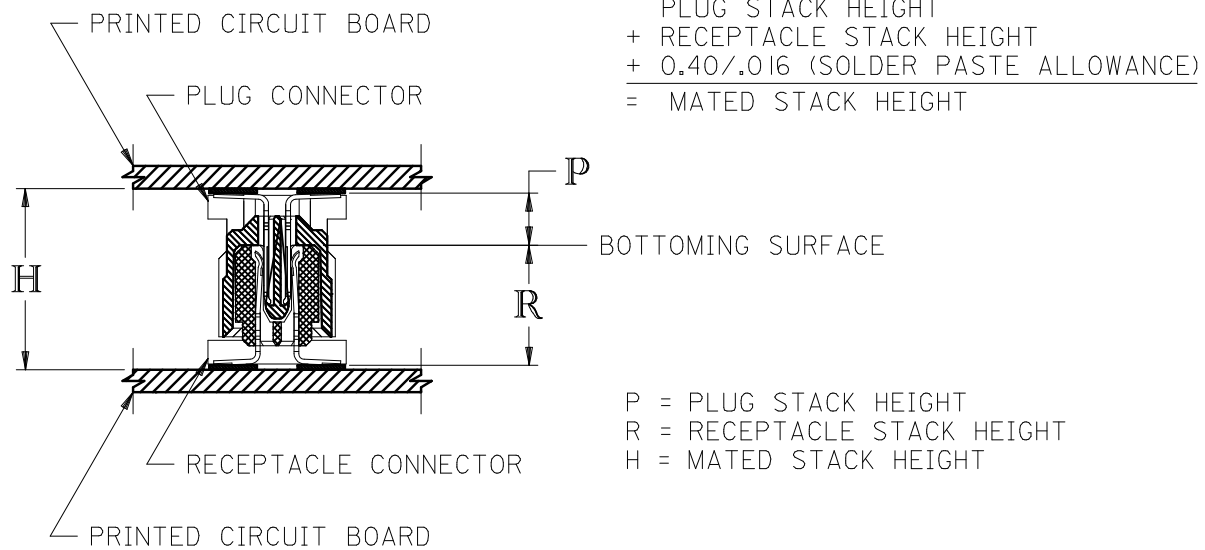
0.76 GOLD - 0.76 MICROMETERS MINIMUM GOLD PLATING IN CONTACT AREA, 1.90 MICROMETERS MINIMUM TIN PLATING IN TERMINAL AREA, OVER NICKEL PLATING OVERALL

0.25 GOLD - 0.25 MICROMETERS MINIMUM GOLD PLATING IN CONTACT AREA, 1.00 MICROMETERS MINIMUM TIN PLATING IN TERMINAL AREA, OVER NICKEL PLATING OVERALL

ADD 12 MM STACK EC NO: UCP2009-2408 IDRW:BBARKER 2009/04/20 CHKD:DMORGAN 2009/04/20 APPR:SMILLER 2009/04/21	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE <b>MM ONLY</b>	SCALE	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION																											
	$\nabla=0$ $\nabla=0$	<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± 0.15</td> <td>± 0.006</td> </tr> <tr> <td>3 PLACES</td> <td>± 0.25</td> <td>± 0.010</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.38</td> <td>± 0.015</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.51</td> <td>± 0.020</td> </tr> </table>		mm	INCH	4 PLACES	± 0.15	± 0.006	3 PLACES	± 0.25	± 0.010	2 PLACES	± 0.38	± 0.015	1 PLACE	± 0.51	± 0.020	<table border="1"> <tr> <td>DRAWN BY</td> <td>DATE</td> </tr> <tr> <td>REED</td> <td>96/07/15</td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> </tr> <tr> <td>REED</td> <td>96/07/15</td> </tr> <tr> <td>APPROVED BY</td> <td>DATE</td> </tr> <tr> <td>BIXLER</td> <td>96/07/15</td> </tr> </table>	DRAWN BY	DATE	REED	96/07/15	CHECKED BY	DATE	REED	96/07/15	APPROVED BY	DATE	BIXLER	96/07/15	TITLE	<b>MOLEX INCORPORATED</b> SALES ASSEMBLY, 1 MM 84 CKT, BTB PLUG 4.30 MM STACK HEIGHT	
		mm	INCH																														
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BIXLER	96/07/15																																
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. <b>SEE TABLE</b>	DOCUMENT NO. <b>SDA-71741-0***</b>	SHEET NO. 1 OF 2																														
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																	

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

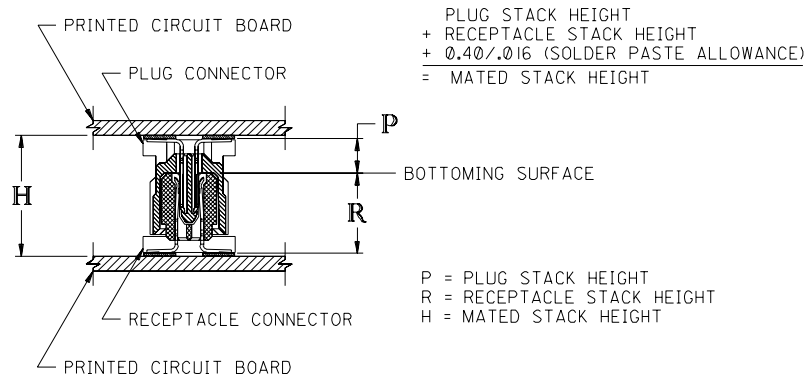
MATED STACK HEIGHT	RECEPTACLE HEIGHT	RECEPTACLE SERIES NO.	PLUG HEIGHT	PLUG SERIES NO.
10.00/.394	5.30/.209	71742-0***	4.30/.169	71741-0***
12.00/.472	7.30/.287	71742-2***		
15.00/.591	10.30/.406	71742-3***		



SEE SHEET 1 EC NO: UCP2009-2408 2009/04/20 DRWN:BBARKER 2009/04/20 CHKD:DMORGAN 2009/04/20 APPR:SMILLER 2009/04/21	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0		mm INCH	DRAWN BY REED	DATE 96/07/15	TITLE SALES ASSEMBLY, 1 MM 84 CKT, BTB PLUG 4.30 MM STACK HEIGHT
	▽=0		4 PLACES ± --- ± ---	CHECKED BY REED	DATE 96/07/15	MATERIAL NO. SDA-71741-0***
			3 PLACES ± --- ± ---	APPROVED BY BIXLER	DATE 96/07/15	DOCUMENT NO. SDA-71741-0***
		2 PLACES ± 0.18 ± ---				SHEET NO. 2 OF 2
		1 PLACE ± 0.33 ± ---				
		ANGULAR ± 1/2°				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE			
			SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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	71742-0***	4.30/.169	71741-0***
15.00/.591	10.30/.406	71742-3***	4.30/.169	71741-0***



METRIC

REVISE ONLY ON CAD SYSTEM

UNLESS OTHERWISE SPECIFIED  
TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± ----	----
2 PLACE	± ----	± ----
1 PLACE	----	± ----

DRAFT WHERE APPLICABLE MUST  
REMAIN WITHIN DIMENSIONS

TITLE: SALES ASSY, 1.0mm 84 CKT.  
BOARD-TO-BOARD PLUG  
4.30/.169 STACK HEIGHT

MOLEX INCORPORATED U.S.A.  
L15LEJLL 60532

PART NO. SEE SHT 1  
DRAWG. NO. SDA-71741-0\*\*\*

DATE: 98/12/28

FILE NAME: ST17410.DGN

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DIV. CPP  
SIZE C

LTR.	REVISIONS	LTR.	REVISIONS
		D	SEE SHEET 1

DRWG. BY: KAS  
CHK'D. BY: KAS  
APP'D. BY: DJB  
SCALE: NONE