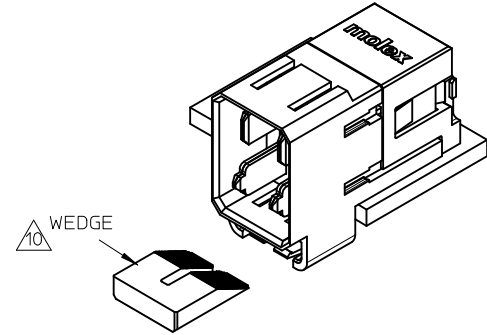


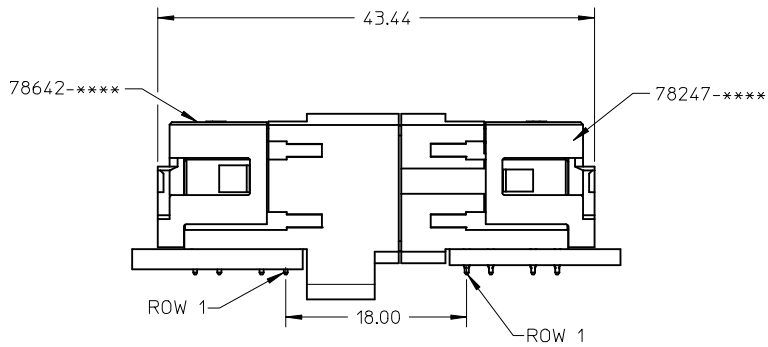
- NOTES:
- MATERIAL:  
HOUSING - LCP, GLASS FILLED, UL94-V0, COLOR: BLACK  
POWER PIN - COPPER ALLOY
  - FINISH OPTION:  
TIN - 0.76µm MINIMUM GOLD AT CONTACT AND  
2.54µm MINIMUM TIN AT SOLDERTAIL AREA OVER  
1.27µm MINIMUM NICKEL UNDERPLATE OVERALL.  
TIN-LEAD - 0.76µm MINIMUM GOLD AT CONTACT AND  
2.54µm MINIMUM TIN-LEAD AT SOLDERTAIL AREA OVER  
1.27µm MINIMUM NICKEL UNDERPLATE OVERALL.
  - PRODUCT SPECIFICATION: PS-78213-001.
  - PACKAGING SPECIFICATION: PK-782642-001.
  - MATES WITH 78247-\*\*\*\* & 78212-\*\*\*\*.
  - REFER TO SHEET 3 FOR RECOMMENDED PCB LAYOUT.
  - REFER TO MOLEX PRODUCT SPECIFICATION PS-78213-001 FOR PLATED THROUGH-HOLE SPECIFICATIONS.
  - PART NUMBER AND DATE CODE (YYDDD) APPROXIMATELY SHOWN.
  - KEEP OUT ZONE FROM OTHER COMPONENTS.
  - THIS CONNECTOR IS SHIPPED WITH A STUB. THIS STUB SHALL BE INSERT INTO THE CONNECTOR ONLY AFTER IT IS PRESS FITTED ONTO PCB.



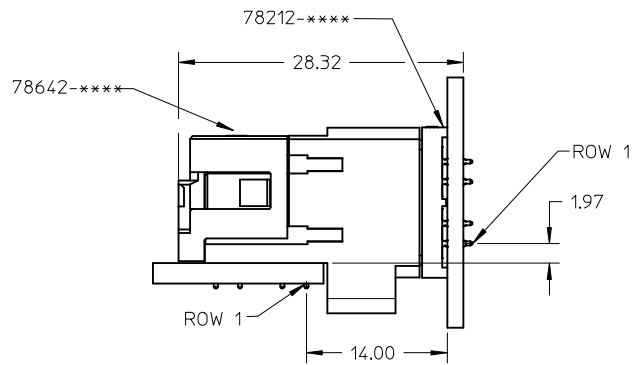
RELEASED EC NO: S2012-0660 DRWN:CTCHO CHKD: LNG APPR: SHONG 2012/02/28 2012/02/28 2012/03/22	QUALITY SYMBOLS $F_A=0$ $F_G=0$ $F_P=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± --- ± --- ANGULAR ± 1 °	DIMENSION STYLE MM ONLY DRAWN BY DATE CTCHO 2012/02/28 CHECKED BY DATE LNG 2012/02/28 APPROVED BY DATE SHONG 2012/03/22	SCALE NTS TITLE IMPACT POWER, 3 PAIR RIGHT ANGLE HEADER PRESS-FIT, W LOCK	DESIGN UNITS METRIC THIRD ANGLE PROJECTION
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE	MOLEX INCORPORATED DOCUMENT NO. SD-78642-001	SHEET NO. 1 OF 2	
	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
	REV A				

10	9	8	7
PART NUMBER	P1 (APPLIES TO B1 & B2)	P2 (APPLIES TO A1 & A2)	PACKAGING
78642-1011	6.90	6.90	TRAY
78642-1022	5.70	5.70	
78642-1033	6.90	5.70	
78642-1044	5.70	6.90	

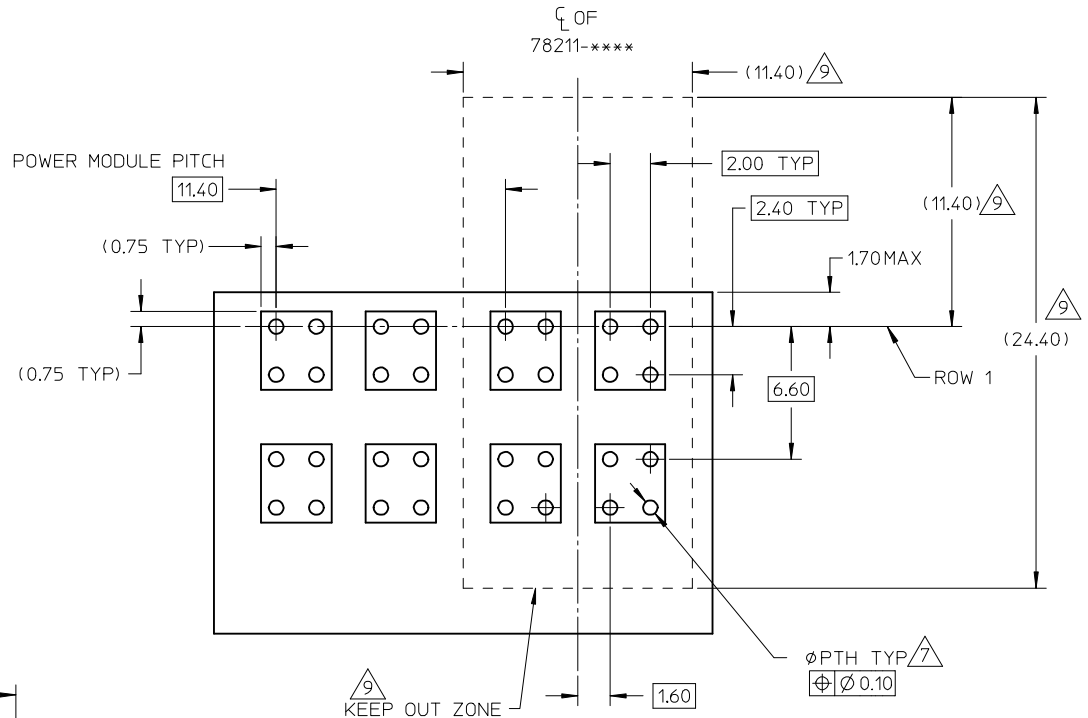
MATED SYSTEM OPTIONS WITH 78642



RIGHT ANGLE HEADER (78642) & RIGHT ANGLE RECEPTACLE (78247)

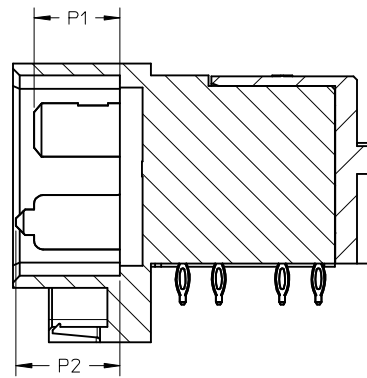


RIGHT ANGLE HEADER (78642) & VERTICAL RECEPTACLE (78212)



RECOMMENDED PCB LAYOUT

(COMPONENT SIDE SHOWN)  
BOARD THICKNESS: FROM 2.0mm TO 3.0mm only

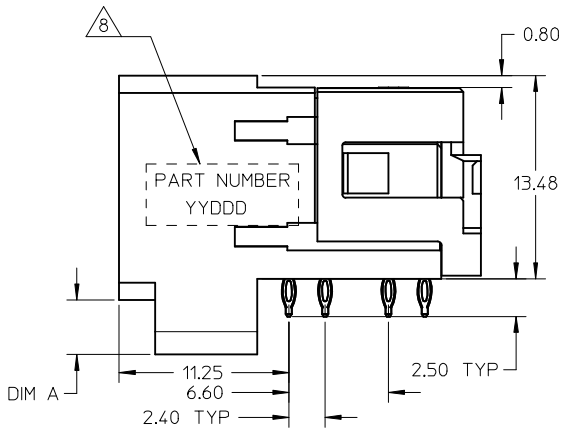
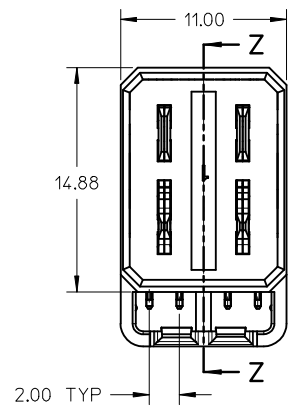
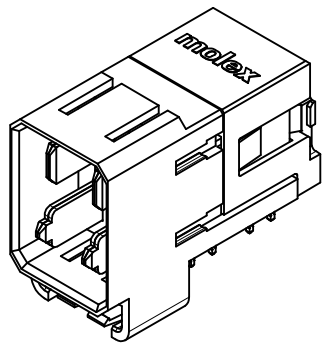
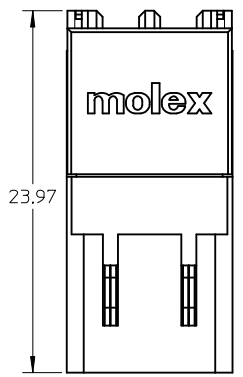


SECTION Z-Z

<b>RELEASED</b> EC NO: S2012-0660 DRWN:CTCHO 2012/02/28 CH'KD:JNG 2012/02/28 APPR:SHONG 2012/03/22	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td><math>\pm</math> ---</td> <td><math>\pm</math> ---</td> </tr> <tr> <td>3 PLACES</td> <td><math>\pm</math> ---</td> <td><math>\pm</math> ---</td> </tr> <tr> <td>2 PLACES</td> <td><math>\pm 0.25</math></td> <td><math>\pm</math> ---</td> </tr> <tr> <td>1 PLACE</td> <td><math>\pm</math> ---</td> <td><math>\pm</math> ---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	$\pm$ ---	$\pm$ ---	3 PLACES	$\pm$ ---	$\pm$ ---	2 PLACES	$\pm 0.25$	$\pm$ ---	1 PLACE	$\pm$ ---	$\pm$ ---	DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>NTS</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
		mm	INCH																		
	4 PLACES	$\pm$ ---	$\pm$ ---																		
	3 PLACES	$\pm$ ---	$\pm$ ---																		
2 PLACES	$\pm 0.25$	$\pm$ ---																			
1 PLACE	$\pm$ ---	$\pm$ ---																			
DRAWN BY CTCHO	DATE 2012/02/28	TITLE <b>IMPACT POWER, 3 PAIR RIGHT ANGLE HEADER PRESS-FIT, W LOCK</b>																			
CHECKED BY LNG	DATE 2012/02/28	APPROVED BY SHONG	DATE 2012/03/22	<b>molex</b> MOLEX INCORPORATED																	
MATERIAL NO. <b>SEE TABLE</b>	DOCUMENT NO. <b>SD-78642-001</b>	SHEET NO. <b>2 OF 2</b>																			

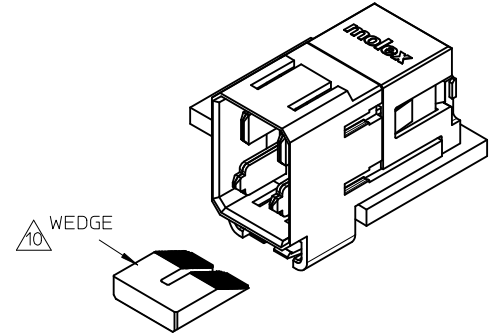
DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



NOTES:

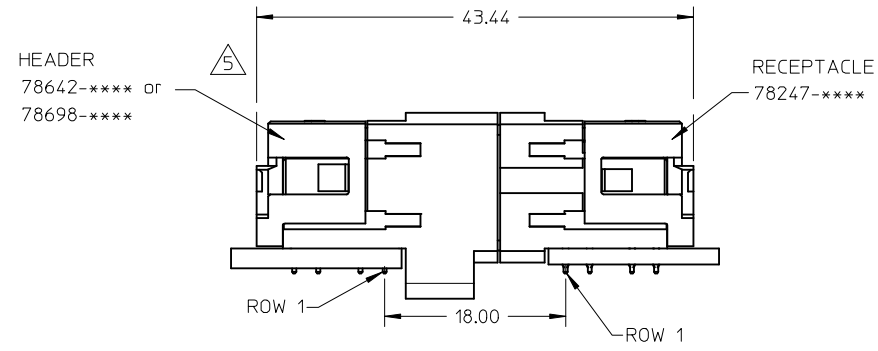
1. MATERIAL:  
HOUSING - LCP, GLASS FILLED, UL94-V0, COLOR: BLACK  
POWER PIN - COPPER ALLOY
2. FINISH OPTION:  
TIN - 0.76µm MINIMUM GOLD AT CONTACT AND  
2.54µm MINIMUM TIN AT SOLDER TAIL AREA OVER  
1.27µm MINIMUM NICKEL UNDERPLATE OVERALL.
3. PRODUCT SPECIFICATION: PS-78213-001.
4. PACKAGING SPECIFICATION: PK-782642-001.
5. MATES WITH 78247-\*\*\*\* & 78212-\*\*\*\*.
6. REFER TO SHEET 3 FOR RECOMMENDED PCB LAYOUT.
7. REFER TO MOLEX PRODUCT SPECIFICATION PS-78213-001 FOR PLATED THROUGH-HOLE SPECIFICATIONS.
8. PART NUMBER AND DATE CODE (YYDD) APPROXIMATELY SHOWN.
9. KEEP OUT ZONE FROM OTHER COMPONENTS.
10. THIS CONNECTOR IS SHIPPED WITH A WEDGE. THIS STUB SHALL BE INSERTED INTO THE CONNECTOR ONLY AFTER IT IS PRESS FITTED ONTO PCB.



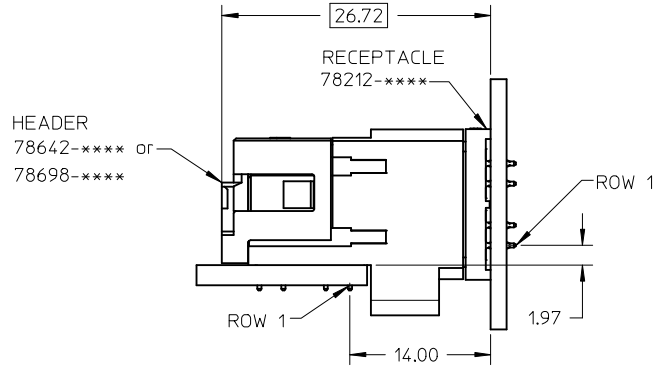
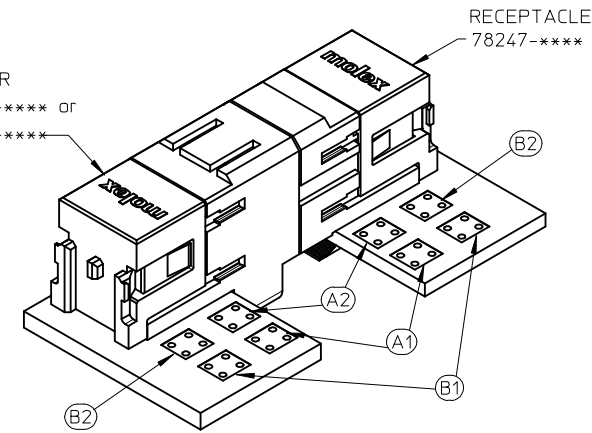
UPDATE PIN NO.: PG3 EC NO: SZ014-0340 DRWN:HCGOH 2013/10/03 CHYD:JESSIECHUA 2013/10/04 APPR:SHONG 2013/10/24	DESCRIPTION REV B	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
		$F_A=0$ $F_G=0$ $F_P=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± --- ± --- 0 PLACE ± ±	MM ONLY	NTS	METRIC	DRAWN BY: LNG CHECKED BY: HCGOH APPROVED BY: SHONG DATE: 2011/08/29 DATE: 2013/06/12 DATE: 2013/06/13	TITLE	IMPACT POWER, 3 PAIR RIGHT ANGLE HEADER PRESS-FIT, W LOCK <b>molex</b>
		ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE SIZE A3	MATERIAL NO.	DOCUMENT NO.	SHEET NO.			
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			SD-78642-002	1 OF 3			

MATED SYSTEM OPTIONS WITH 78642/ 78698

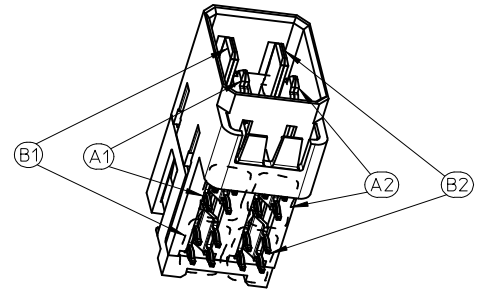
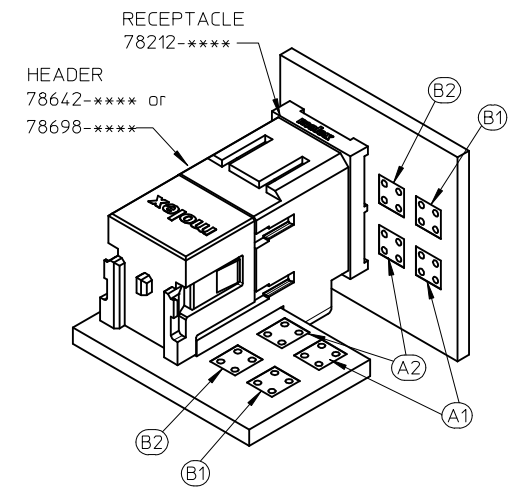
CIRCUIT PATH OF MATED SYSTEM



RIGHT ANGLE HEADER (78642 or 78698) & RIGHT ANGLE RECEPTACLE (78247)



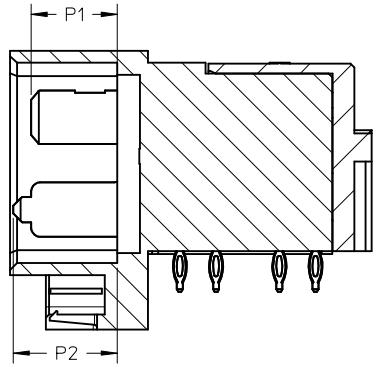
RIGHT ANGLE HEADER (78642 or 78698) & VERTICAL RECEPTACLE (78212)



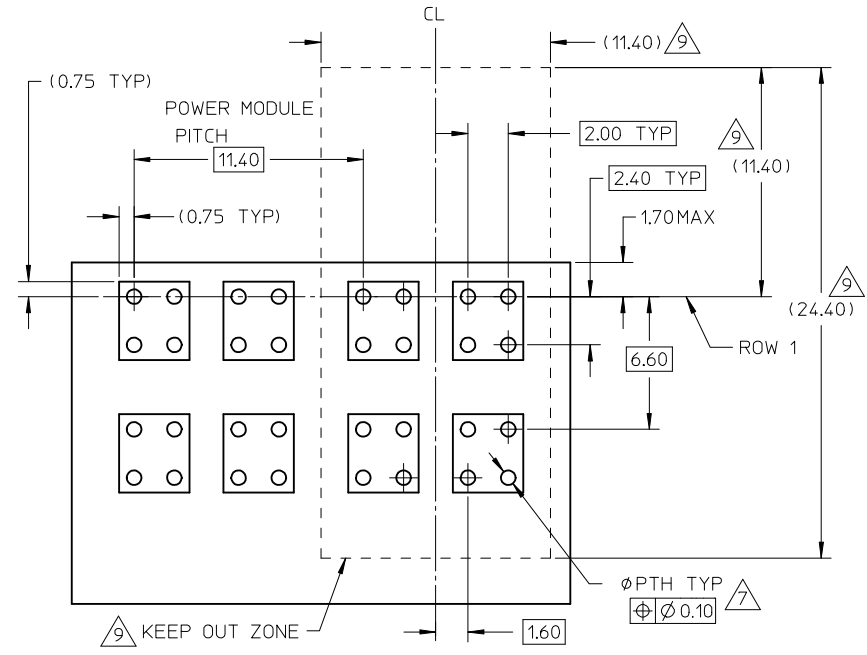
PIN NUMBER ASSIGNMENT BASED ON HEADER SIDE:  
 A1, B1 ON THE LEFT,  
 A2, B2 ON THE RIGHT.

UPDATE PIN NO., PG3 IEC NO: S2014-0340 DRWN:HCGOH 2013/10/03 CH'KD: JESSIE CHUA 2013/10/04 APPR: SHONG 2013/10/24	QUALITY SYMBOLS $\nabla_{\text{A}}=0$ $\nabla_{\text{E}}=0$ $\nabla_{\text{F}}=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY LNG	DATE 2011/08/29	TITLE IMPACT POWER, 3 PAIR RIGHT ANGLE HEADER PRESS-FIT, W LOCK		
		4 PLACES	± ---	± ---	CHECKED BY HCGOH	DATE 2013/06/12			
		3 PLACES	± ---	± ---	APPROVED BY SHONG	DATE 2013/06/13			
	2 PLACES	± 0.25	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-78642-002	SHEET NO. 2 OF 3		
	1 PLACE	± ---	± ---	SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
	0 PLACE	±	±	ANGULAR ± 1 °					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								

10	9	8	7	6	5	4	3	2	1
PCB THICKNESS	DIM A	PLATING OPTIONS	P1 (APPLIES TO B1 & B2)	P2 (APPLIES TO A1 & A2)	PART NUMBER	PACKAGING			
2.0mm to 3.00mm	3.60	TIN PLATING	6.90	6.90	78642-1011	TRAY			
			5.70	5.70	78642-1022				
			6.90	5.70	78642-1033				
			5.70	6.90	78642-1044				
2.75mm to 3.75mm	4.40	TIN PLATING	6.90	6.90	78698-1011				
			5.70	5.70	78698-1022				
			6.90	5.70	78698-1033				
			5.70	6.90	78698-1044				



SECTION Z-Z



(COMPONENT SIDE SHOWN)  
RECOMMENDED PCB LAYOUT

<b>UPDATE PIN NO., PG3</b> EC NO: S2014-0340 DRWN:HCGOH 2013/10/03 CH'KD: JESSIECHUA 2013/10/04 APPR: SHONG 2013/10/24	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>NTS</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION		
		4 PLACES $\pm$ --- $\pm$ --- 3 PLACES $\pm$ --- $\pm$ --- 2 PLACES $\pm$ 0.25 $\pm$ --- 1 PLACE $\pm$ --- $\pm$ --- 0 PLACE $\pm$ $\pm$	mm INCH ± --- ± --- ± 0.25 ± --- ± --- ± --- ± ±	DRAWN BY LNG	DATE 2011/08/29	TITLE <b>IMPACT POWER, 3 PAIR          RIGHT ANGLE HEADER          PRESS-FIT, W LOCK</b>			
		ANGULAR $\pm$ 1 °		CHECKED BY HCGOH	DATE 2013/06/12	<b>molex</b>			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY SHONG	DATE 2013/06/13				