

## Excellent Integrated System Limited

Stocking Distributor

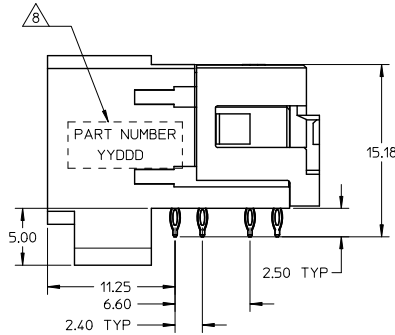
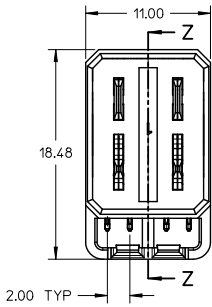
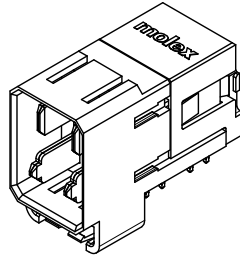
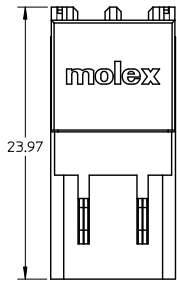
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)  
[0786421044](#)

For any questions, you can email us directly:

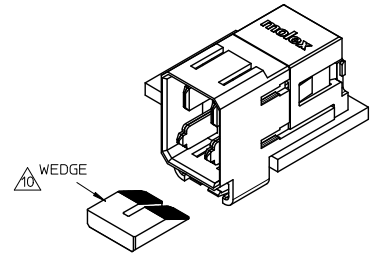
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

10 9 8 7 6 5 4 3 2 1



**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 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.
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 STUB. THIS STUB SHALL BE INSERT INTO THE CONNECTOR ONLY AFTER IT IS PRESS FITTED ONTO PCB.

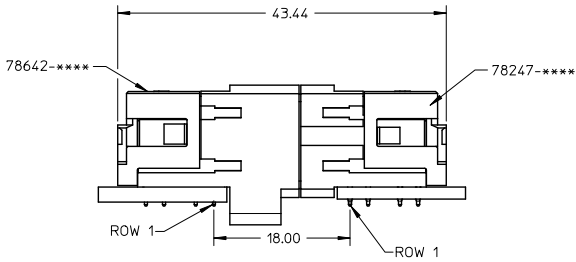


<b>RELEASED</b> IEC NO. S2012-0660 DRAWN BY CTCHO 2012/02/28 CHECKED BY CHYDUNG 2012/02/28 APPR. SHONG 2012/03/22	QUALITY SYMBOLS DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± --- ± --- ANGULAR ± 1 °	DRAWN BY DATE CTCHO 2012/02/28	TITLE IMPACT POWER, 3 PAIR RIGHT ANGLE HEADER PRESS-FIT, W LOCK		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CHECKED BY DATE LNG 2012/02/28	MOLEX INCORPORATED		
		APPROVED BY DATE SHONG 2012/03/22	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-78642-001	SHEET NO. 1 OF 2	

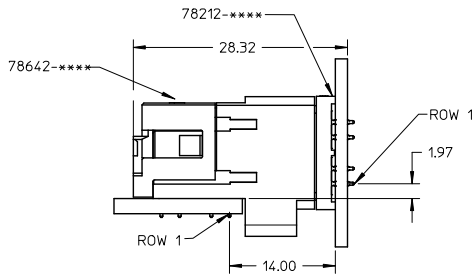
9 8 7 6 5 4 3 2 1

PART NUMBER	P1 (APPLIES TO B1 & B2)	P2 (APPLIES TO A1 & A2)	PLATING OPTIONS	PACKAGING
78642-1011	6.90	6.90	TIN PLATING	TRAY
78642-1022	5.70	5.70		
78642-1033	6.90	5.70		
78642-1044	5.70	6.90		

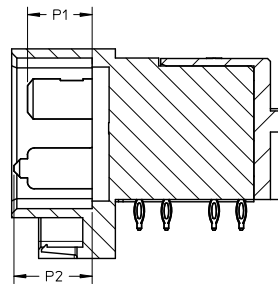
MATED SYSTEM OPTIONS WITH 78642



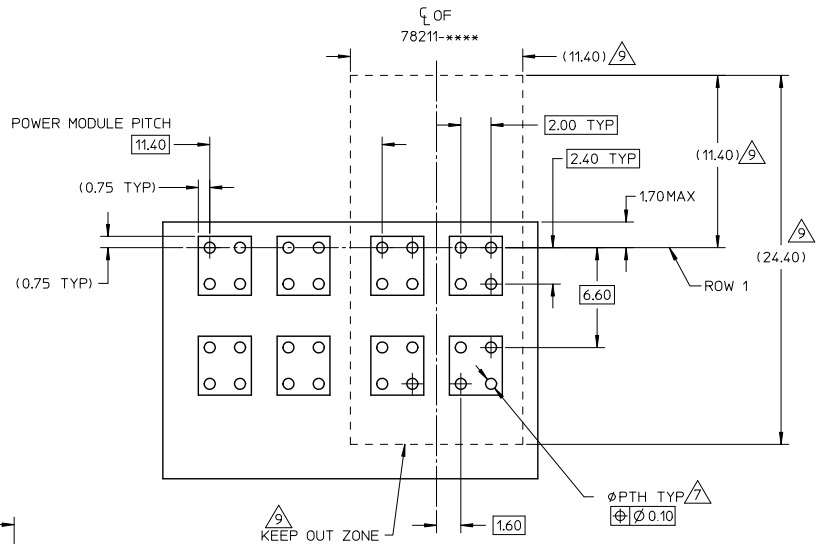
RIGHT ANGLE HEADER (78642) & RIGHT ANGLE RECEPTACLE (78247)



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



SECTION Z-Z



RECOMMENDED PCB LAYOUT

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

RELEASED EC NO: S2012-0660 DRAWN/CTCHO CHKD/LNG APPR: SHONG 2012/02/28 2012/02/28 2012/03/22	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± mm ± INCH	MM ONLY	NTS	METRIC	
	▽=0	3 PLACES ± 0.25 ± 0.01	DRAWN BY DATE			
	▽=0	2 PLACES ± 0.25 ± 0.01	CHECKED BY DATE			
	1 PLACE ± 0.25 ± 0.01	1 PLACE ± 0.25 ± 0.01	APPROVED BY DATE			
	ANGULAR ± 1°	ANGULAR ± 1°	SHONG 2012/03/22			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.	SEE TABLE	DOCUMENT NO.	
			SIZE	A3		
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

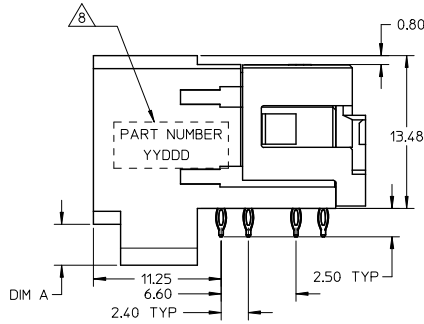
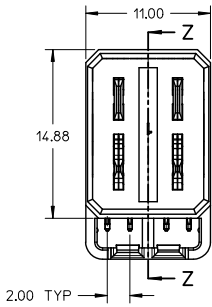
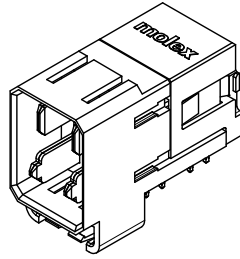
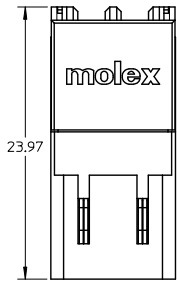
IMPACT POWER, 3 PAIR  
RIGHT ANGLE HEADER  
PRESS-FIT, W LOCK

MOLEX INCORPORATED

SD-78642-001

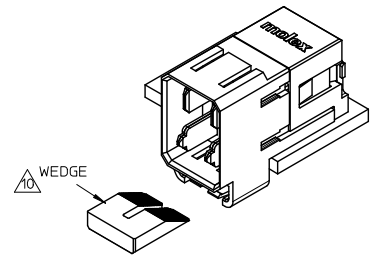
SHEET NO. 2 OF 2

10 9 8 7 6 5 4 3 2 1



**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 SOLDERTAIL 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 INSERT INTO THE CONNECTOR ONLY AFTER IT IS PRESS FITTED ONTO PCB.



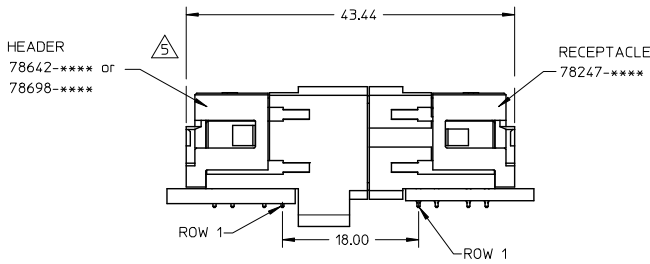
UPDATE PIN NO. PG3 EC NO. S2014-0340 DRW: HCGOH 2013/10/03 CHKD: JESSIECHUA 2013/10/04 APPR: SHONG 2013/10/24	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			mm	INCH			
REV B	DESCRIPTION	4 PLACES ± --- ± ---	DRAWN BY	DATE	TITLE	DOCUMENT NO.	SHEET NO.
		3 PLACES ± --- ± ---	LNG	2011/08/29			
	2 PLACES ± 0.25 ± ---	CHECKED BY	DATE	molex			
	1 PLACE ± --- ± ---	HCGOH	2013/06/12				SEE TABLE
	0 PLACE ± --- ± ---	APPROVED BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		SHONG	2013/06/13				SIZE A3
		ANGULAR ± 1 °	MATERIAL NO.				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					

9 8 7 6 5 4 3 2 1

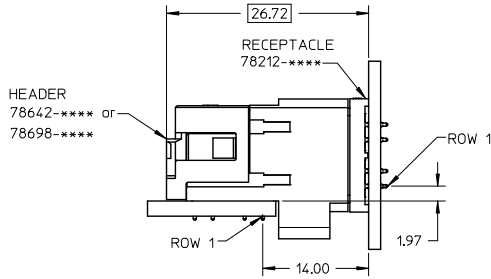
10 9 8 7 6 5 4 3 2 1

MATED SYSTEM OPTIONS WITH 78642/ 78698

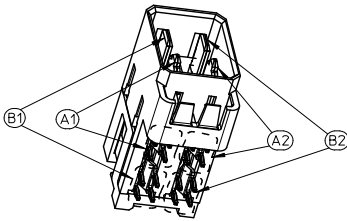
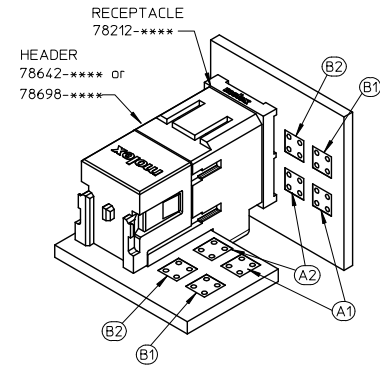
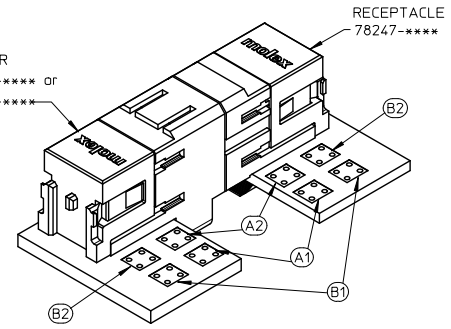
CIRCUIT PATH OF MATED SYSTEM



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



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

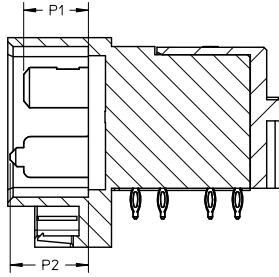


PIN NUMBER ASSIGNMENT BASED ON HEADER SIDE:  
A1, B1 ON THE LEFT,  
A2, B2 ON THE RIGHT.

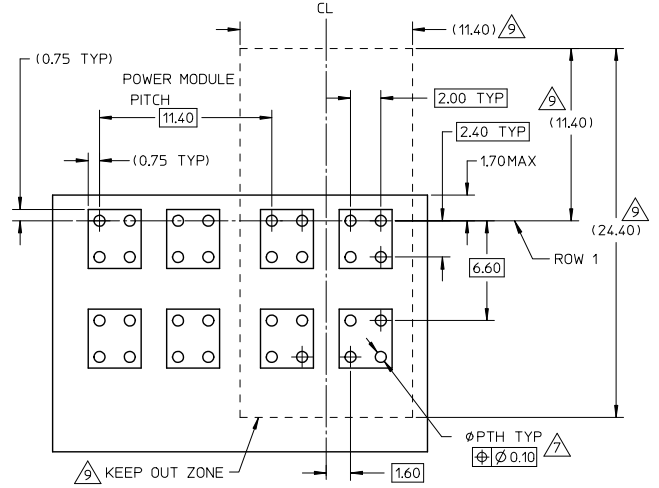
UPDATE PIN NO. PG3 EC NO. S2014-0340 DRAWN: HCGOH 2013/10/03 CHKD: JESSIECHUA 2013/10/04 APPR: SHONG 2013/10/24	QUALITY SYMBOLS √=0 √=0 √=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.25 ± ---	1 PLACE ± --- ± ---	0 PLACE ± ±	ANGULAR ± 1 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
B	REV	DRAWN BY LNG		DATE 2011/08/29		TITLE IMPACT POWER, 3 PAIR RIGHT ANGLE HEADER PRESS-FIT, W LOCK		DOCUMENT NO. SD-78642-002
		CHECKED BY HCGOH		DATE 2013/06/12		SHEET NO. 2 OF 3		
		APPROVED BY SHONG		DATE 2013/06/13		MATERIAL NO. SEE TABLE		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

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

UPDATE PIN NO.: PG3 EC NO: S7014-0340 DRAWN BY: HCGOH CHKD: JESSIECHUA APPR: SHONG	2013/10/03 2013/10/04 2013/10/24	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
					MM ONLY		NTS	METRIC				
					DRAWN BY: LNG DATE: 2011/08/29		TITLE: IMPACT POWER, 3 PAIR RIGHT ANGLE HEADER PRESS-FIT, W LOCK					
					CHECKED BY: HCGOH DATE: 2013/06/12		APPROVED BY: SHONG DATE: 2013/06/13					
		ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-78642-002		3 OF 3				
				SIZE: A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						