

10

9

8

7

6

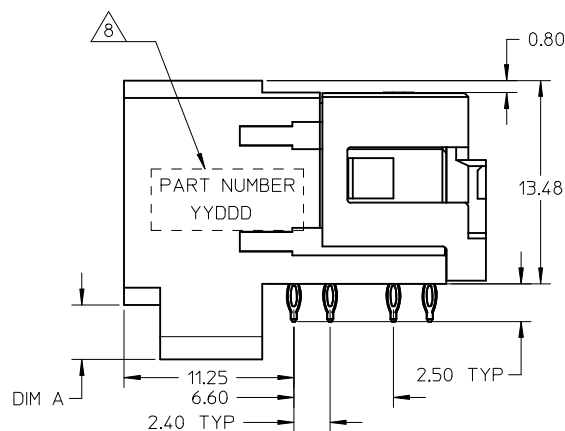
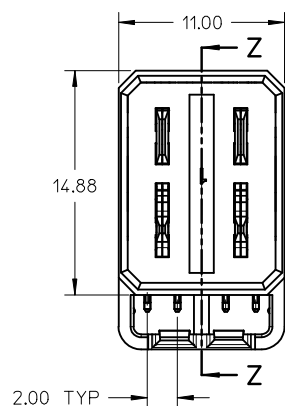
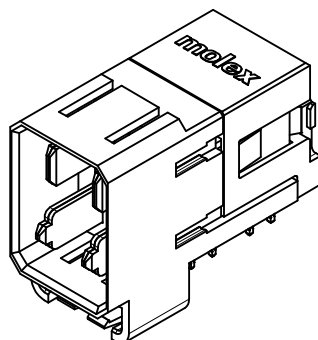
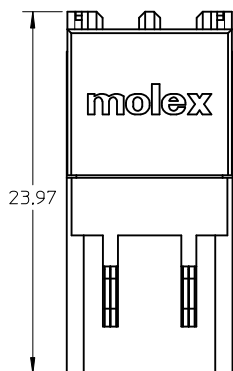
5

4

3

2

1



NOTES:

1. MATERIAL:

HOUSING - LCP, GLASS FILLED, UL94-V0, COLOR: BLACK
POWER PIN - COPPER ALLOY

2. FINISH OPTION:

TIN - 0.76 μ m MINIMUM GOLD AT CONTACT AND
2.54 μ m MINIMUM TIN AT SOLDER TAIL AREA OVER
1.27 μ m MINIMUM NICKEL UNDERPLATE OVERALL.

3. PRODUCT SPECIFICATION: PS-78213-001.

4. PACKAGING SPECIFICATION: PK-782642-001.

5. MATES WITH 78247-**** & 78212-****.

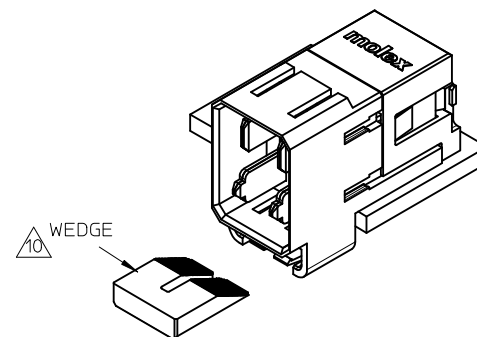
6. REFER TO SHEET 3 FOR RECOMMENDED PCB LAYOUT.

7. REFER TO MOLEX PRODUCT SPECIFICATION PS-78213-001 FOR PLATED THROUGH-HOLE SPECIFICATIONS.

8. PART NUMBER AND DATE CODE (YYDDD) 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: S2014-0340
DRWN:HCGH 2013/10/03
CHKD:JESSIECHUA 2013/10/04
APPR:SHONG 2013/10/24

QUALITY SYMBOLS
 $\nabla_A=0$
 $\nabla_G=0$
 $\nabla_P=0$

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	$\pm$ 0.25	$\pm$ ---
1 PLACE	$\pm$ ---	$\pm$ ---
0 PLACE	$\pm$	$\pm$

ANGULAR $\pm 1^\circ$
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
LNG	2011/08/29
CHECKED BY	DATE
HCGH	2013/06/12
APPROVED BY	DATE
SHONG	2013/06/13

MATERIAL NO.
SEE TABLE

SCALE
NTS

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

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

DOCUMENT NO.
SD-78642-002

SHEET NO.
1 OF 3

9

8

7

6

5

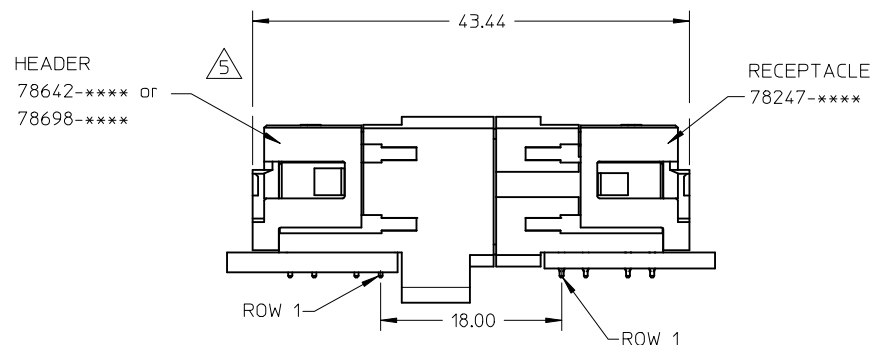
4

3

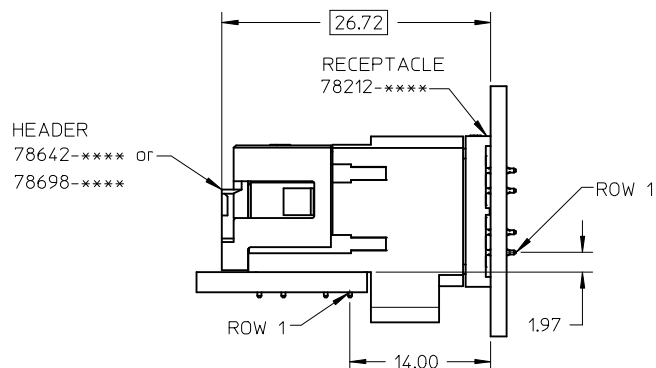
2

1

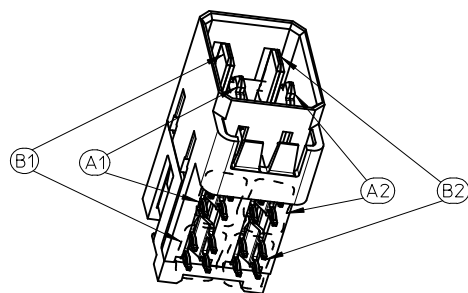
MATED SYSTEM OPTIONS WITH 78642/ 78698



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

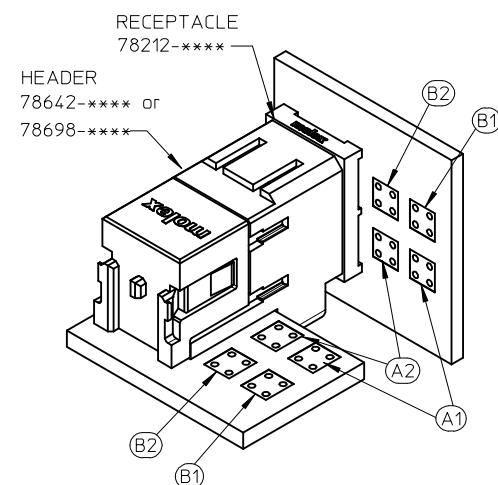
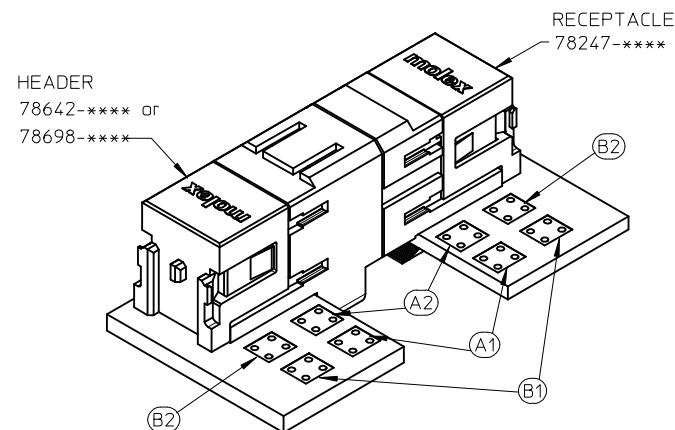


RIGHT ANGLE HEADER (78642 or 78698) & VERTICAL RECEPTACLE (78212)



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

CIRCUIT PATH OF MATED SYSTEM



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

10

9

8

7

6

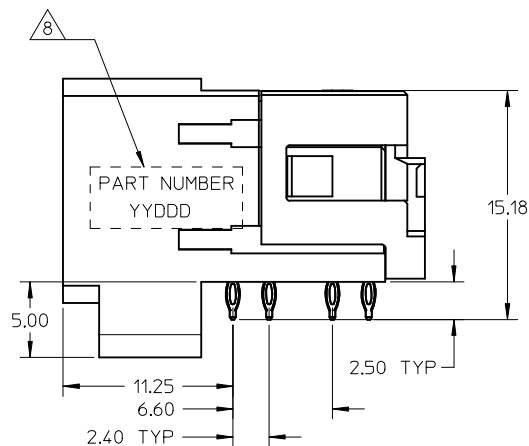
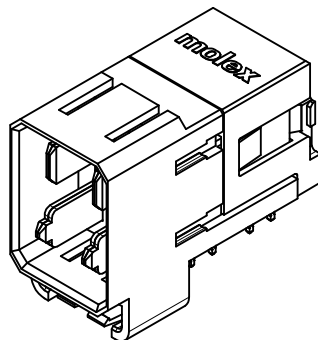
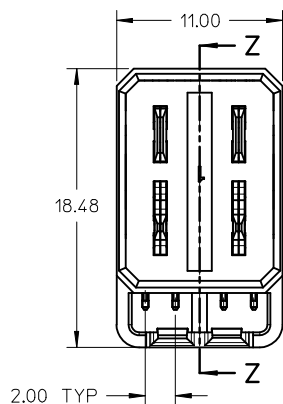
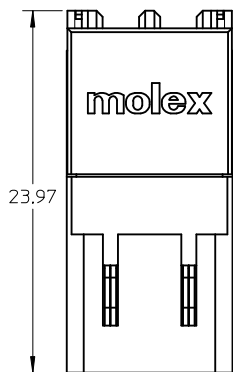
5

4

3

2

1



NOTES:

1. MATERIAL:

HOUSING - LCP, GLASS FILLED, UL94-V0, COLOR: BLACK
POWER PIN - COPPER ALLOY

2. FINISH OPTION:

TIN - 0.76 μ m MINIMUM GOLD AT CONTACT AND
2.54 μ m MINIMUM TIN AT SOLDER TAIL AREA OVER
1.27 μ m MINIMUM NICKEL UNDERPLATE OVERALL.
TIN-LEAD - 0.76 μ m MINIMUM GOLD AT CONTACT AND
2.54 μ m MINIMUM TIN-LEAD AT SOLDER TAIL AREA OVER
1.27 μ m MINIMUM NICKEL UNDERPLATE OVERALL.

3. PRODUCT SPECIFICATION: PS-78213-001.

4. PACKAGING SPECIFICATION: PK-782642-001.

5. MATES WITH 78247-**** & 78212-****.

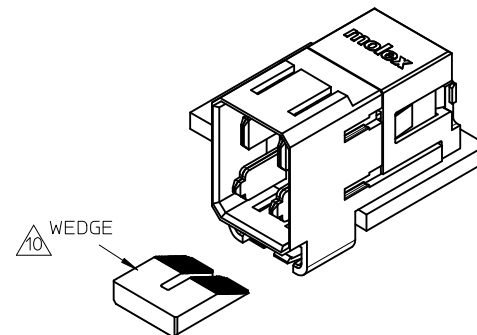
6. REFER TO SHEET 3 FOR RECOMMENDED PCB LAYOUT.

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.



RELEASED
EC NO: S2012-0660
DRWN:CTCH0
CHKD:LNK
APPR:SHONG
REV
A

QUALITY SYMBOLS
F_A=0
F_G=0
F_P=0
DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± ---	± ---

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
CTCH0	2012/02/28
CHECKED BY	DATE
LNK	2012/02/28
APPROVED BY	DATE
SHONG	2012/03/22

MATERIAL NO.

SEE TABLE

SIZE
A3

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

SCALE
NTS

TITLE

DESIGN UNITS
METRIC

DOCUMENT NO.

THIRD ANGLE PROJECTION

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

MOLEX INCORPORATED

SD-78642-001

SHEET NO.

1 OF 2

9

8

7

6

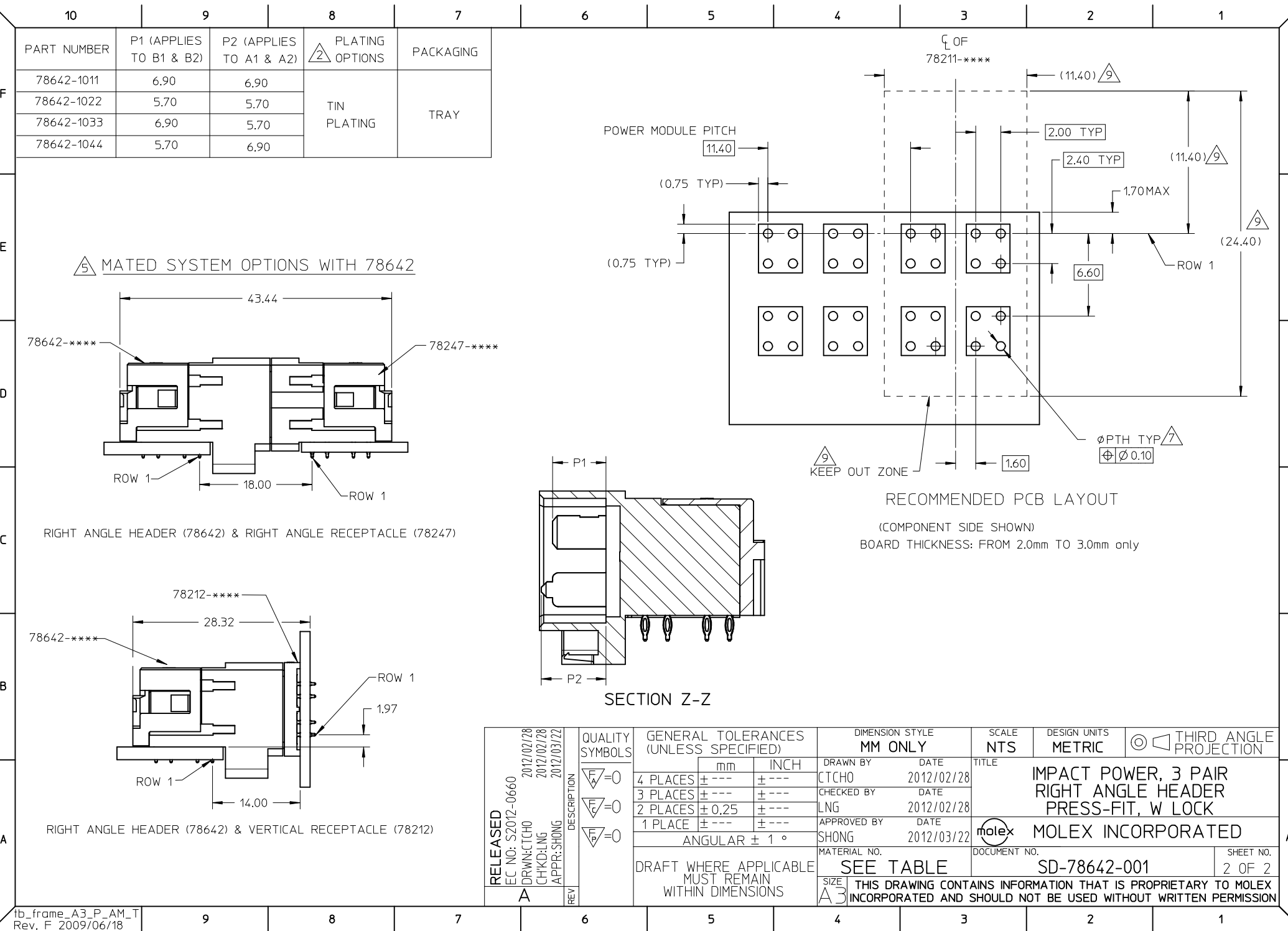
5

4

3

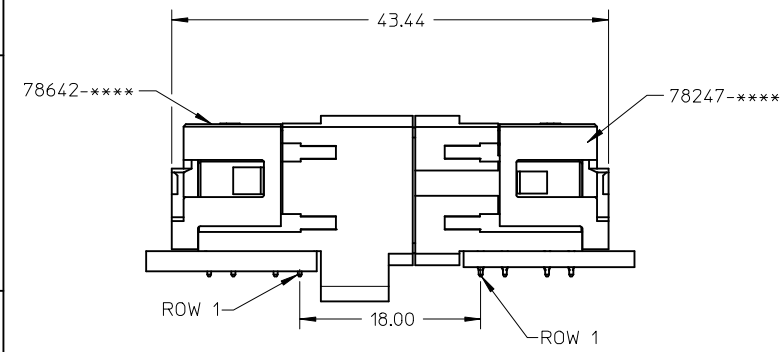
2

1

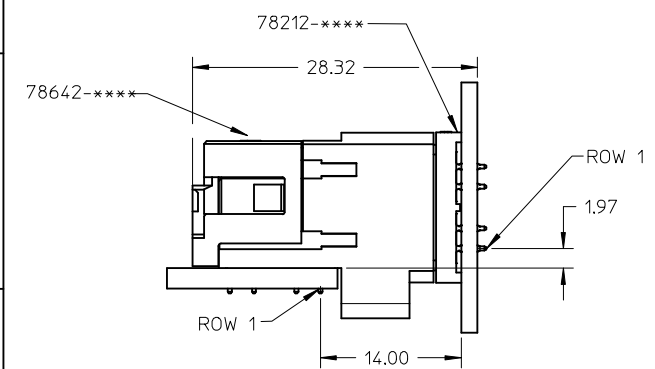


PART NUMBER	P1 (APPLIES TO B1 & B2)	P2 (APPLIES TO A1 & A2)	PLATING OPTIONS	PACKAGING
78642-1011	6.90	6.90	TIN PLATING	TRAY
78642-1022	5.70	5.70		
78642-1033	6.90	5.70		
78642-1044	5.70	6.90		

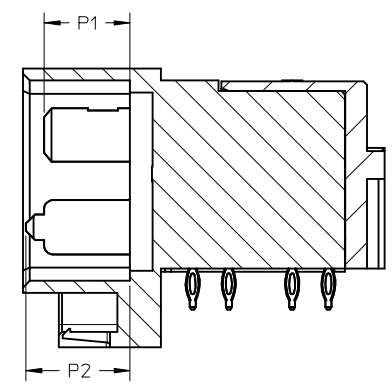
MATED SYSTEM OPTIONS WITH 78642



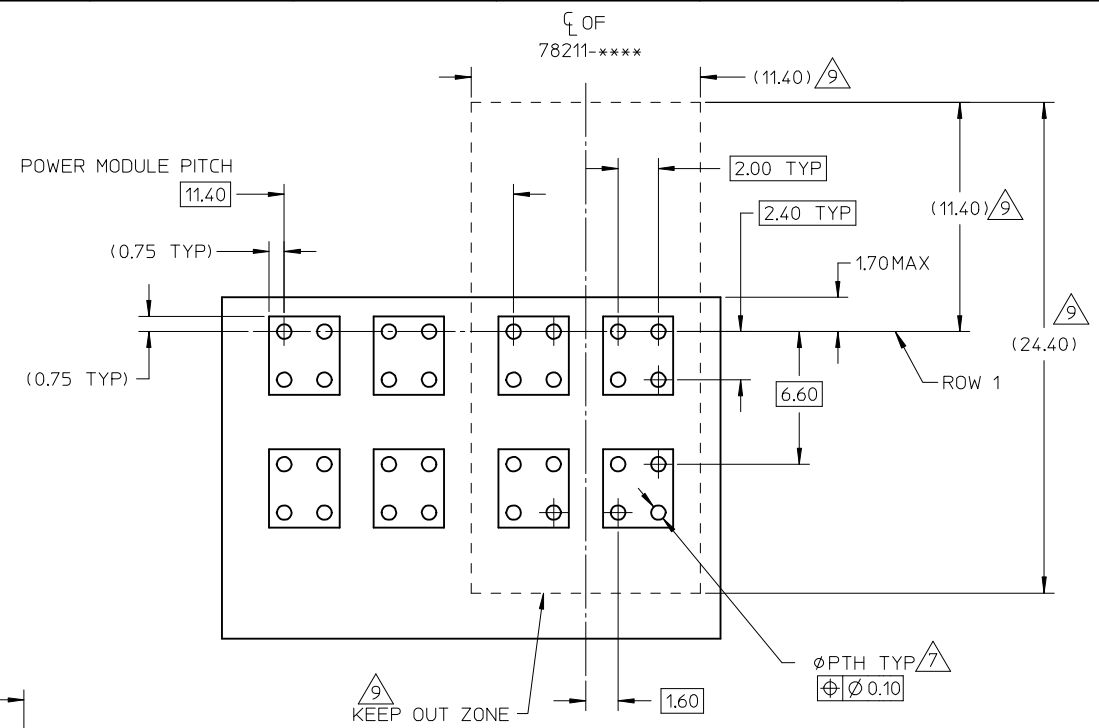
RIGHT ANGLE HEADER (78642) & RIGHT ANGLE RECEPTACLE (78247)



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