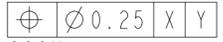
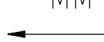


 0.20  
 Ø0.64 SOLDER BALLS  
 600X  
 SEE NOTE 2  
 Ø0.25 X Y

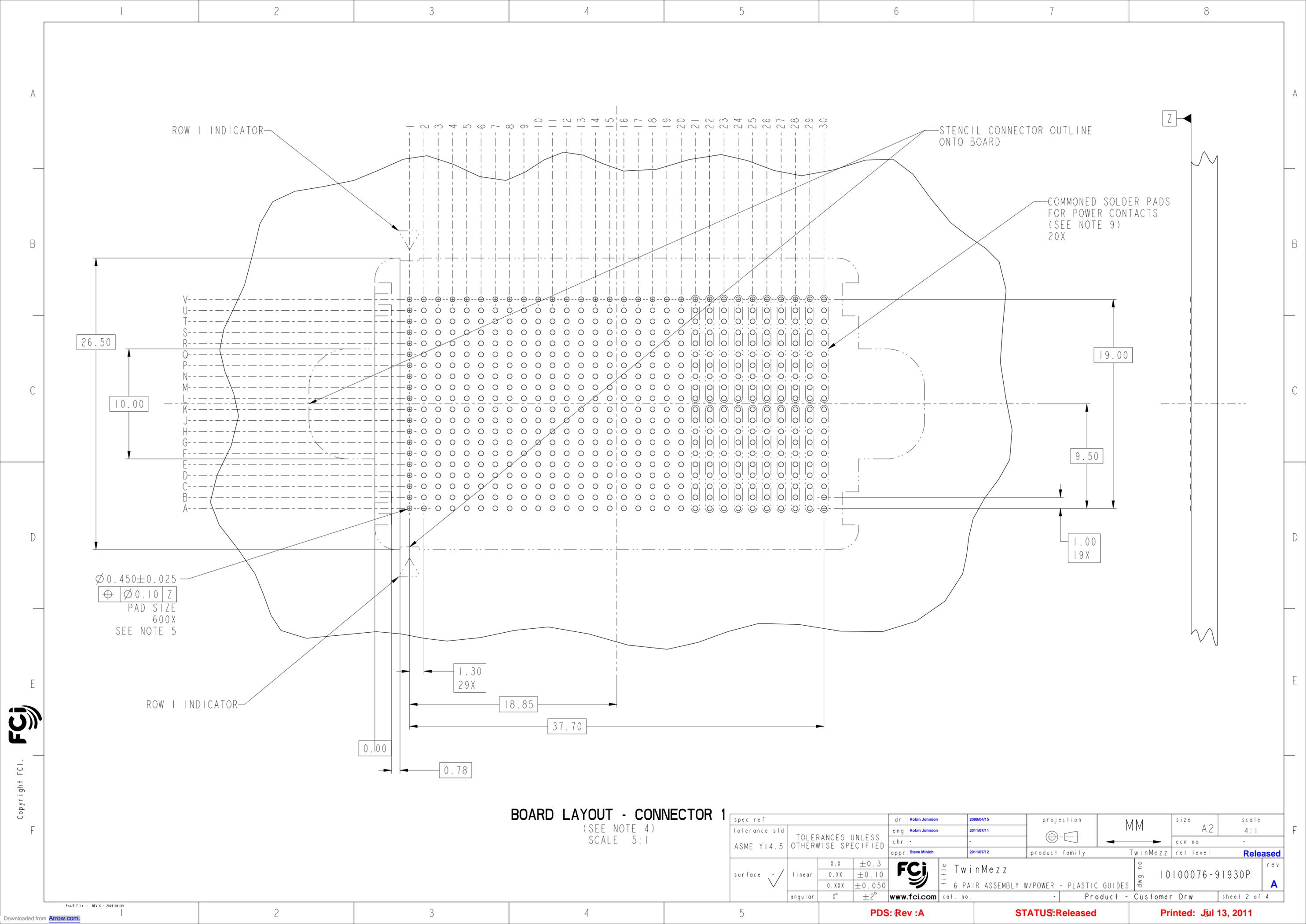
spec ref	dr	Robin Johnson	2009/04/15	projection	MM	size	A2	scale	4:1
tolerance std	eng	Robin Johnson	2011/07/11			ecn no	-	rel level	Released
ASME Y14.5	chr	-							
TOLERANCES UNLESS OTHERWISE SPECIFIED									
surface	appr	Steve Minich	2011/07/12	product family	TwinMezz	rel level	Released	cat. no.	-
	linear	0.X	±0.3		title TwinMezz 6 PAIR ASSEMBLY W/POWER - PLASTIC GUIDES	dwg no 10100076-91930P	rev A	www.fci.com	Product - Customer Draw
		0.XX	±0.10						
		0.XXX	±0.050						
	angular	0°	±2°						sheet 1 of 4

PDS: Rev :A

STATUS:Released

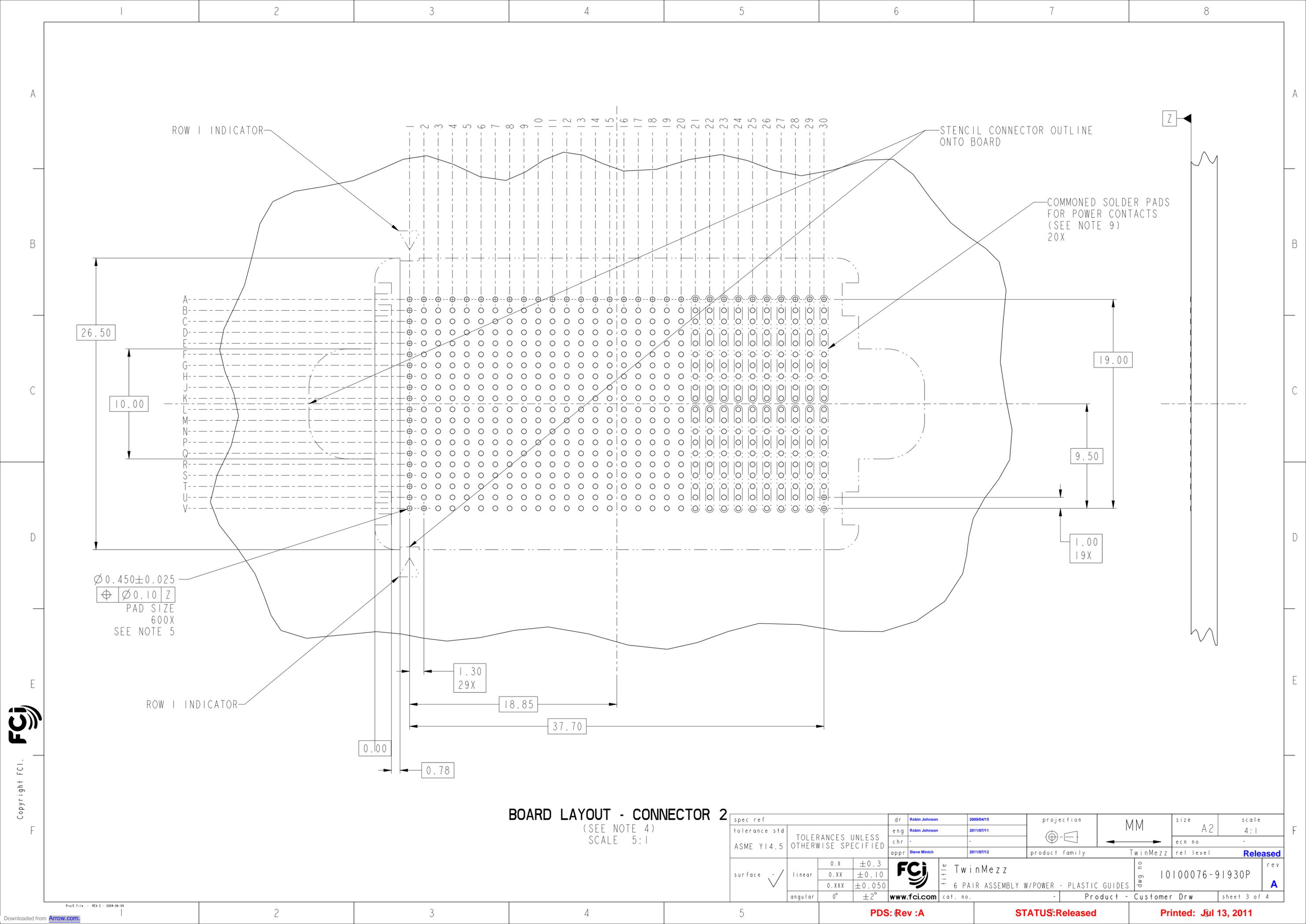
Printed: Jul 13, 2011

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**BOARD LAYOUT - CONNECTOR 1**  
 (SEE NOTE 4)  
 SCALE 5:1

spec ref	dr	Robin Johnson	2009/04/15	projection	MM	size	A2	scale	4:1
tolerance std	eng	Robin Johnson	2011/07/11			ecn no	-	rel level	Released
ASME Y14.5	chr	-	apppr						
surface	linear	0.X	±0.3		<b>FCJ</b> TwinMezz 6 PAIR ASSEMBLY W/POWER - PLASTIC GUIDES www.fci.com	title TwinMezz 6 PAIR ASSEMBLY W/POWER - PLASTIC GUIDES cat. no.	dwg no 10100076-91930P	rev A	sheet 2 of 4
		0.XX	±0.10						
		0.XXX	±0.050						
	angular	0°	±2°						



$\varnothing 0.450 \pm 0.025$   
 $\varnothing 0.10$  Z  
 PAD SIZE  
 600X  
 SEE NOTE 5

**BOARD LAYOUT - CONNECTOR 2**  
 (SEE NOTE 4)  
 SCALE 5:1

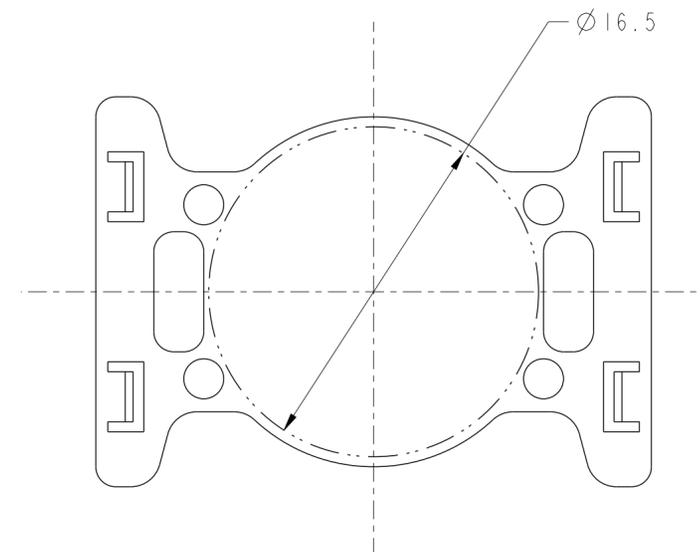
spec ref	dr	Robin Johnson	2009/04/15	projection	MM	size	A2	scale	4:1
tolerance std	eng	Robin Johnson	2011/07/11			ecn no	-	rel level	Released
ASME Y14.5	chr	-	product family						
surface	<input checked="" type="checkbox"/> linear <input type="checkbox"/> angular	0.X	$\pm 0.3$		title TwinMezz 6 PAIR ASSEMBLY W/POWER - PLASTIC GUIDES	dwg no 10100076-91930P	rev A	Product - Customer Drw	
		0.XX	$\pm 0.10$					sheet 3 of 4	
		0.XXX	$\pm 0.050$						
www.fci.com	cat. no.			PDS: Rev :A		STATUS:Released		Printed: Jul 13, 2011	

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PRODUCT NUMBER	SOLDER BALL
10100076-91930P	SnPb
10100076-91930PLF	SnAgCu LEADFREE ⑦

**NOTES:**

1. MATERIAL:  
HOUSING: HIGH TEMPERATURE THERMOPLASTIC  
UL RATING: 94 V-0  
  
PICK-UP CAP: HIGH TEMPERATURE THERMOPLASTIC  
UL RATING: 94 V-0  
  
CONTACT: COPPER ALLOY  
  
PLATING (CONTACT): PERFORMANCE BASED, CAPABLE OF MEETING THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-558  
  
SOLDER BALL: (SEE TABLE) EUTECTIC SnPb OR LEADFREE 95.5 Sn/4Ag/0.5Cu
- ② SOLDER BALLS WILL NOT BE A PERFECT SPHERICAL SHAPE DUE TO REFLOW ATTACHMENT.
- ③ DUE TO THE HERMAPHRODITIC DESIGN OF THIS CONNECTOR, A ROW 1 POSITION MARKER WILL BE LASER MARKED ONTO BOTH SIDES OF THE CONNECTOR HOUSING FOR ORIENTATION.
- ④ DUE TO THE HERMAPHRODITIC DESIGN OF THIS CONNECTOR, TWO BOARD LAYOUTS HAVE BEEN GIVEN AS EXAMPLES TO SHOW THE PIN NUMBERING DESIGNATIONS FOR CONNECTOR NUMBER 1 AND MATING CONNECTOR NUMBER 2.
- ⑤ SPECIFIED POSITIONAL TOLERANCE DEFINES PAD TO PAD LOCATION WITHIN LAND PATTERN. POSITIONAL TOLERANCE OF LAND PATTERN TO FUDICIAL MARKS OR PCB DATUMS SHALL BE DEFINED BY CUSTOMER. FOR RECOMMENDED PRODUCT APPLICATION AND PCB DESIGN DETAILS, SEE DOC. NO. GS-20-108.
6. PRODUCT SPECIFICATION: GS-12-558  
APPLICATION SPECIFICATION: GS-20-108
- ⑦ THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008. PRODUCT MEETING WITH THIS DIRECTIVE IS IDENTIFIED IN THE LOT CODE NUMBER MARKED ON EACH PART BY HAVING AN "X" IN THE SEVENTH CHARACTER POSITION.
8. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- ⑨ POSITIONS "A" THRU "K" AND POSTITIONS "L" THRU "V" ARE TO BE COMMONED TOGETHER FOR POWER CONTACTS LOCATED IN ROWS 21 THRU 30.



**FLAT AREA PICK-UP CAP**  
SCALE 4:1

**IMLA LOADING TABLE**

ROW NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
IMLA TYPE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	P	P	P	P	P	P	P	P	P	P

**IMLA TYPES:**

- S** = SIGNAL IMLA
- P** = POWER IMLA

spec ref	dr	2009/04/15	projection	MM	size	A2	scale	4:1
tolerance std	eng	2011/07/11			ecn no	-	rel level	Released
ASME Y14.5	chr	-						
surface <input checked="" type="checkbox"/> linear <input type="checkbox"/> angular	0.X	±0.3		title TwinMezz 6 PAIR ASSEMBLY W/POWER - PLASTIC GUIDES	dwg no 10100076-91930P	rev A	Product - Customer Drw	
	0.XX	±0.10					sheet 4 of 4	
	0.XXX	±0.050						
angular	0°	±2°	www.fci.com	cat. no.				