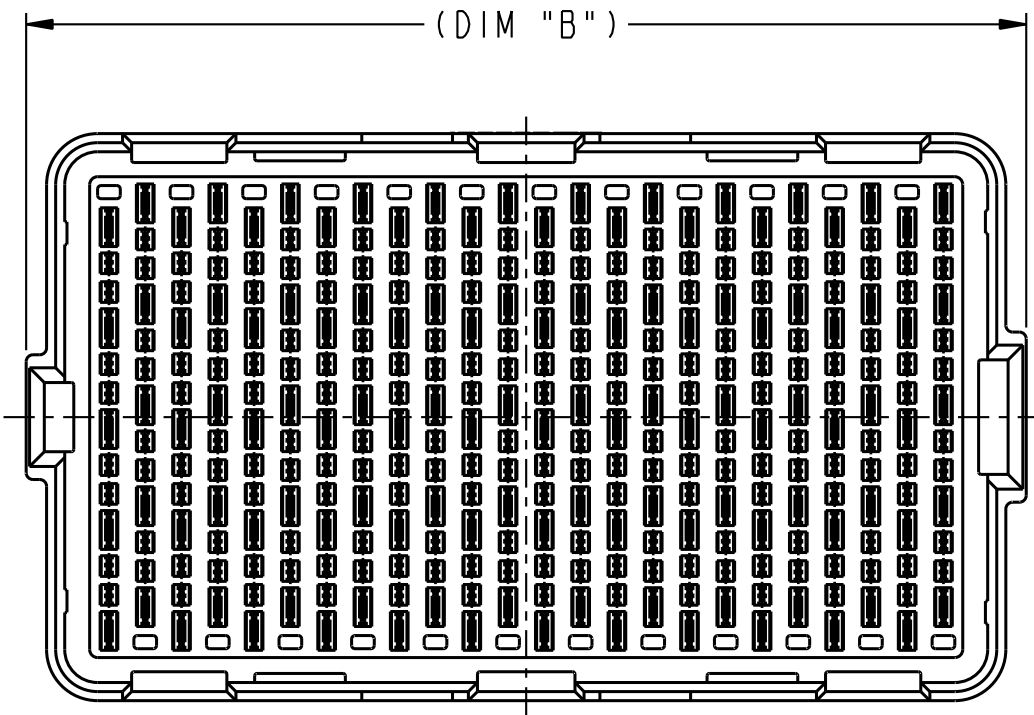
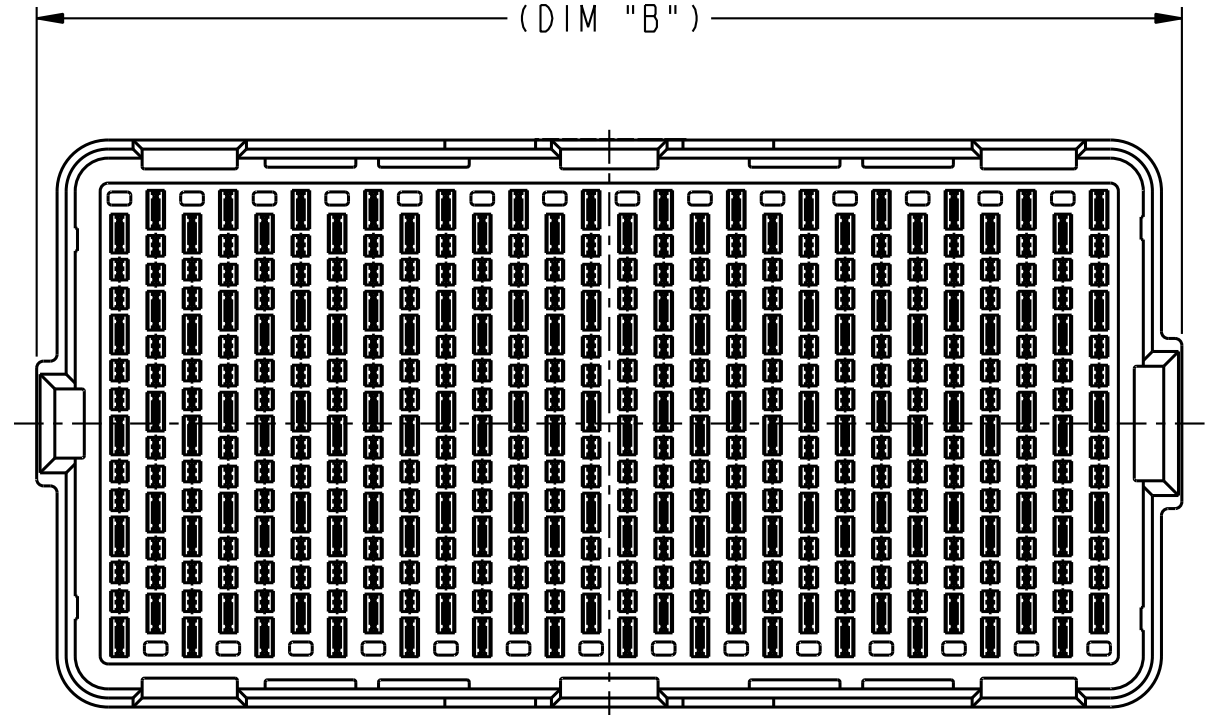


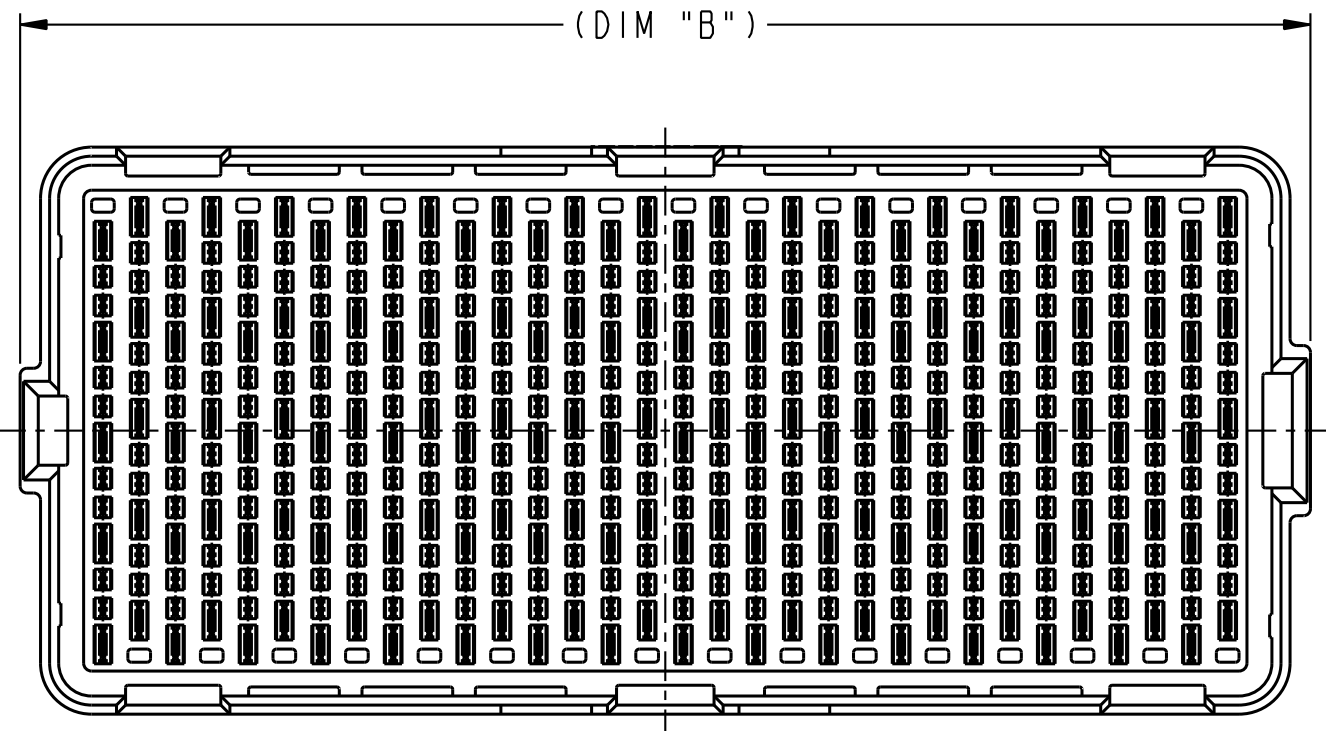
10154416
4PR 20 COLUMNS



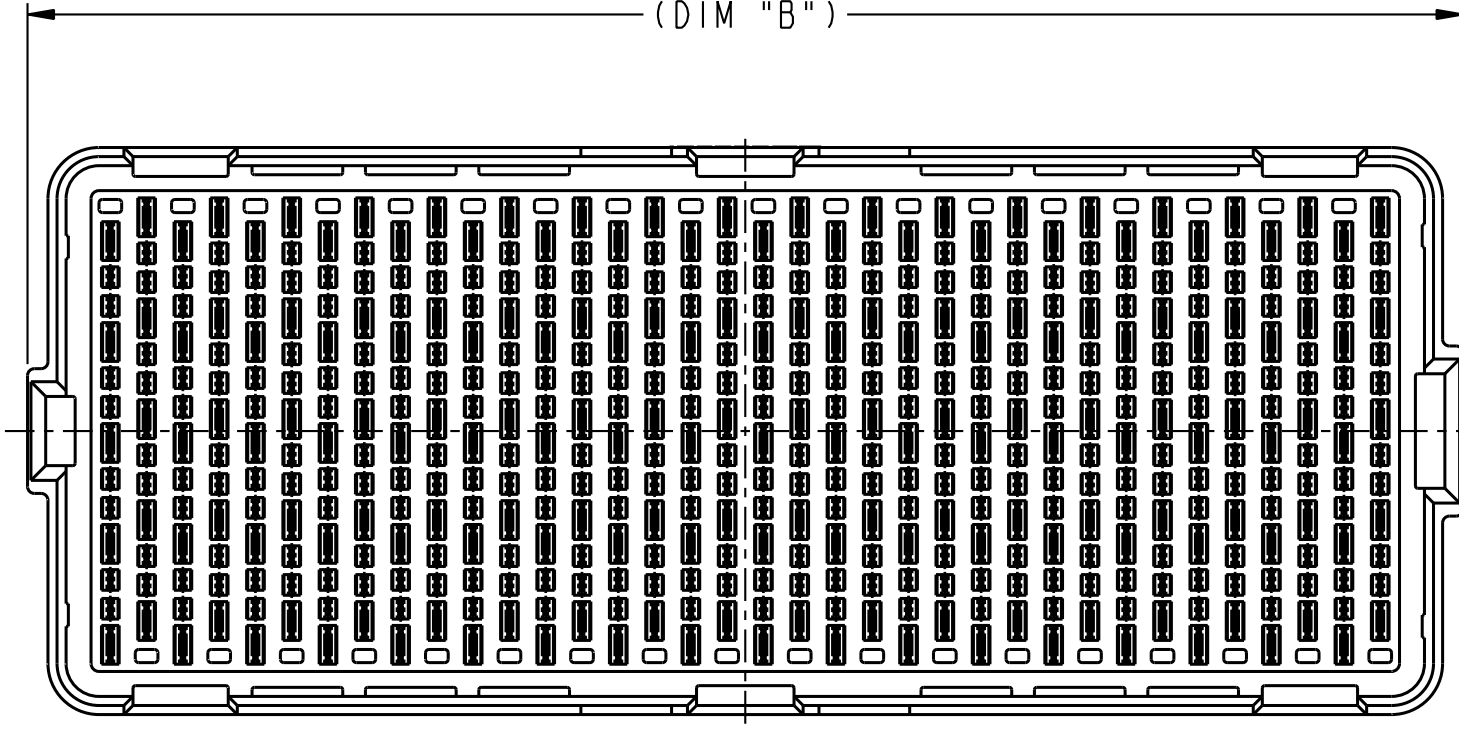
10152297
4PR 24 COLUMNS



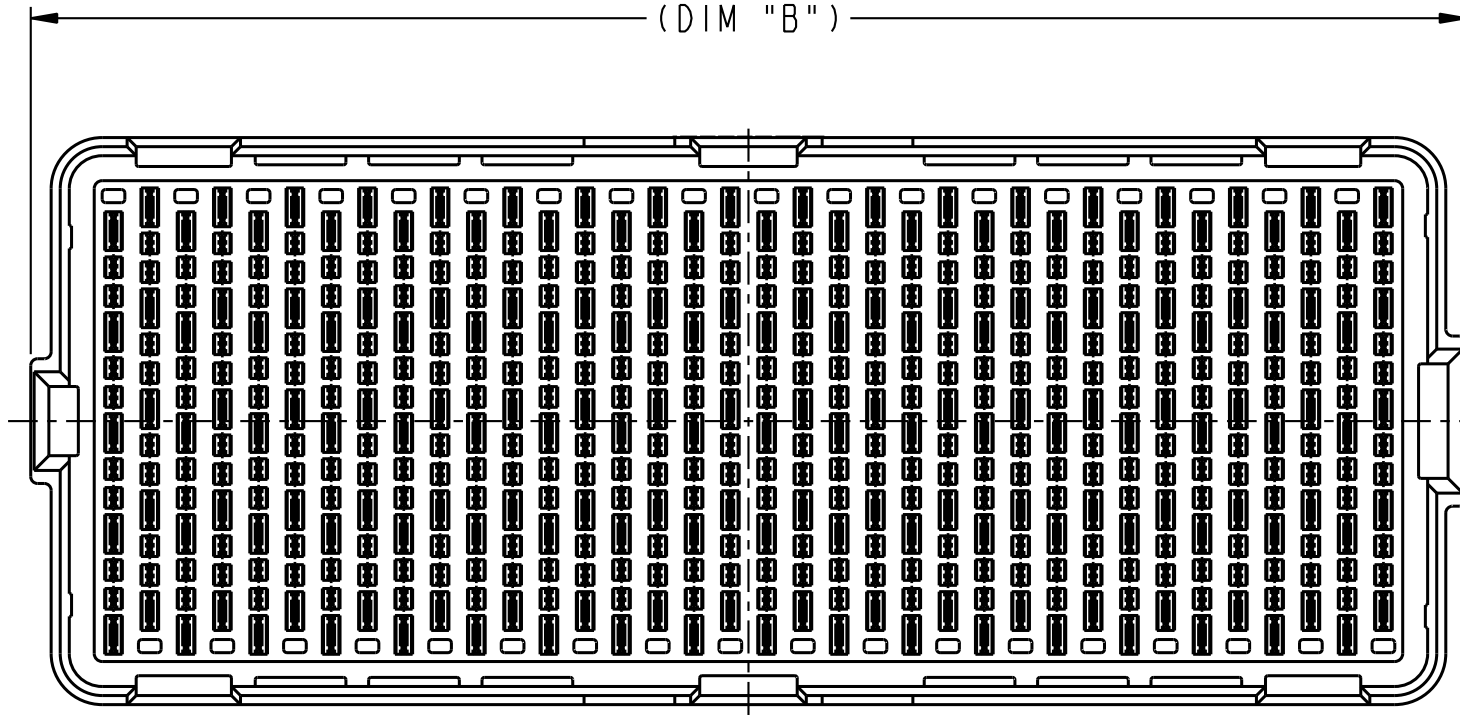
10154418
4PR 28 COLUMNS



10154420
4PR 32 COLUMNS



10148148
4PR 36 COLUMNS



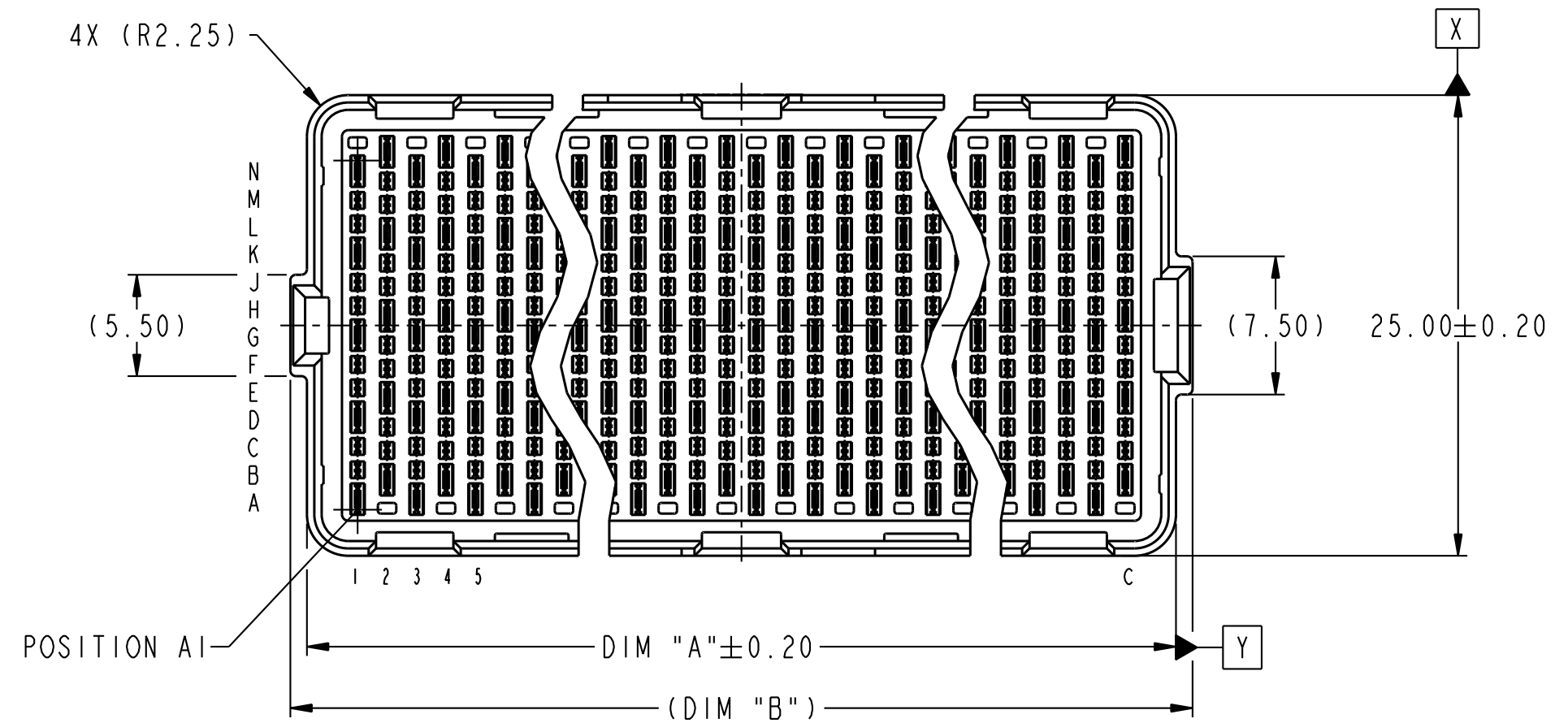
10148901
4PR 40 COLUMNS

PRELIMINARY

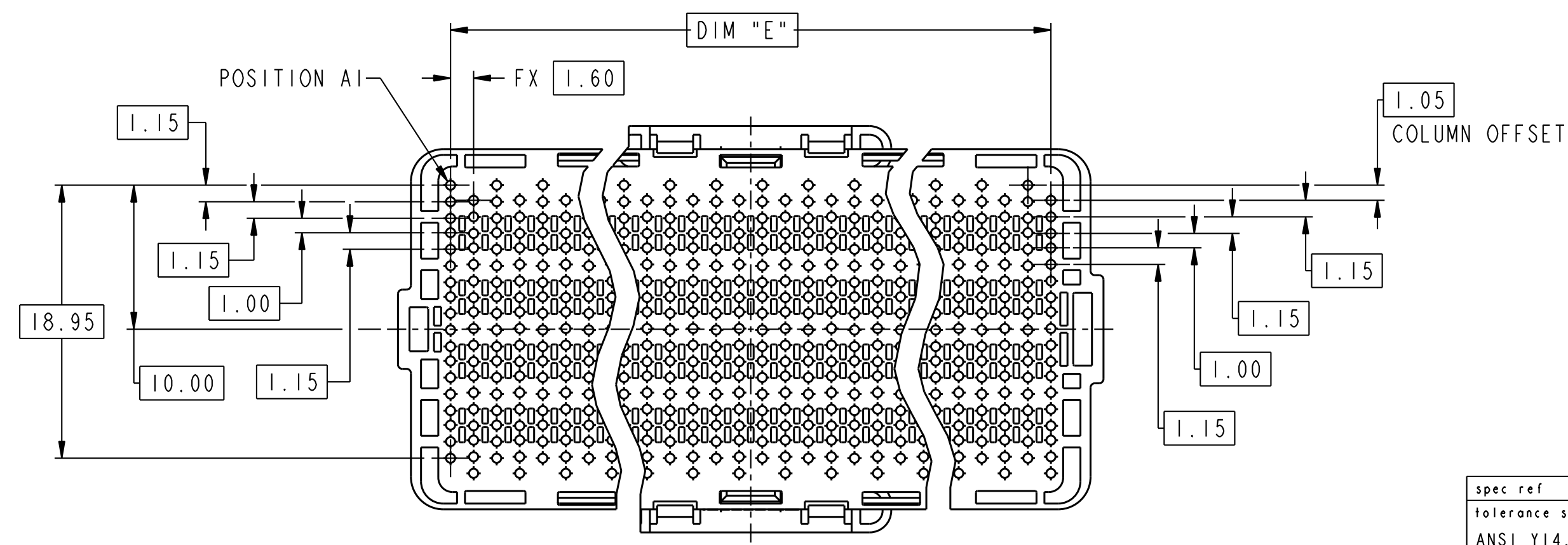
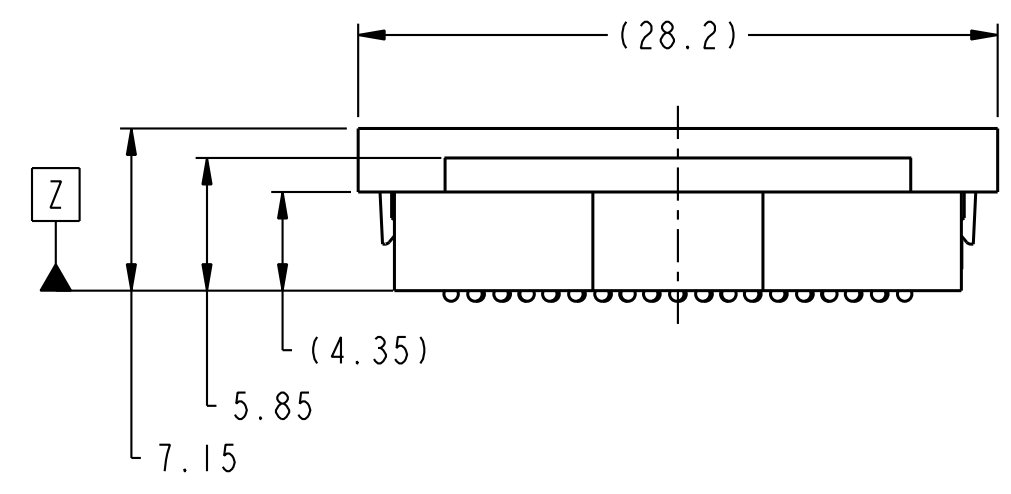
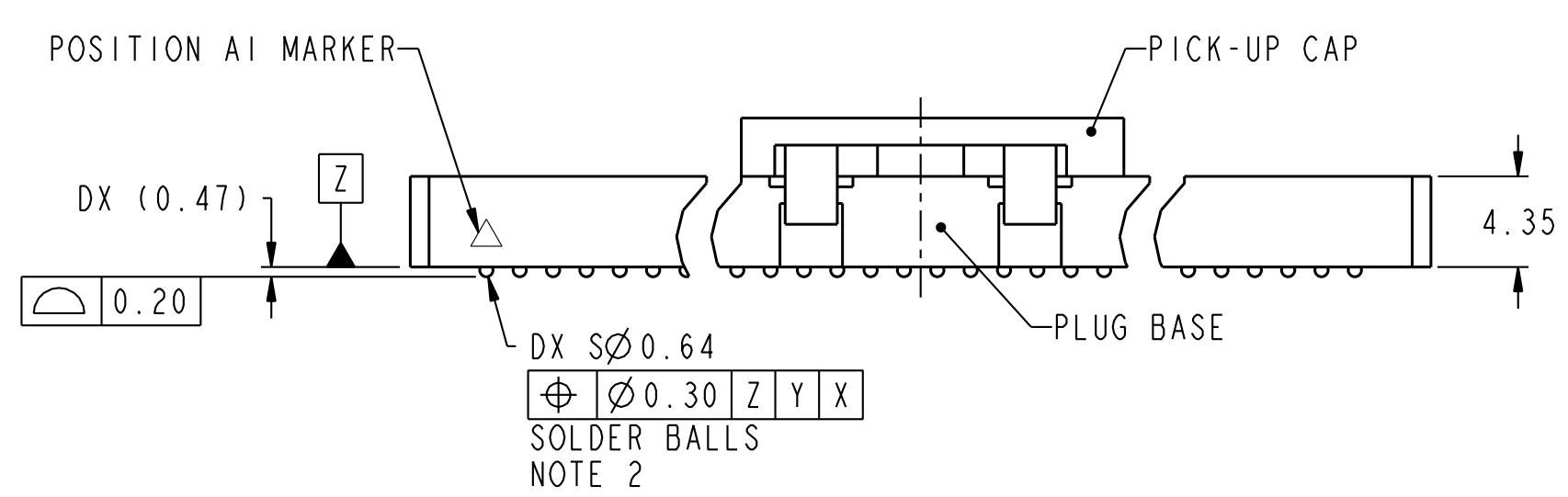
spec ref	-	dr	HCL-SS	2018-09-10	projection	mm	size	A2	scale	3:1	
tolerance std	ANSI Y14.5 ANSI Y14.5	eng	R. JOHNSON	2018-09-10			ecn no				
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr					rel level				
surface	linear	0.X	±0.3	Amphenol FCI	product family	M-Series 56	rel level				
		0.XX	±0.10		title	1mm PLUG ASSEMBLY		dwg no	10154425	rev	I
	angular	0.XXX	±0.05		4 PR, 92Ω, FAMILY DRAWING	cat. no.	-	Product - Customer Drw	sheet 1 of 5		
		ANSI Y14.5	0°	±2°							

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FCi

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VACUUM PICK-UP CAP NOT SHOWN FOR CLARITY

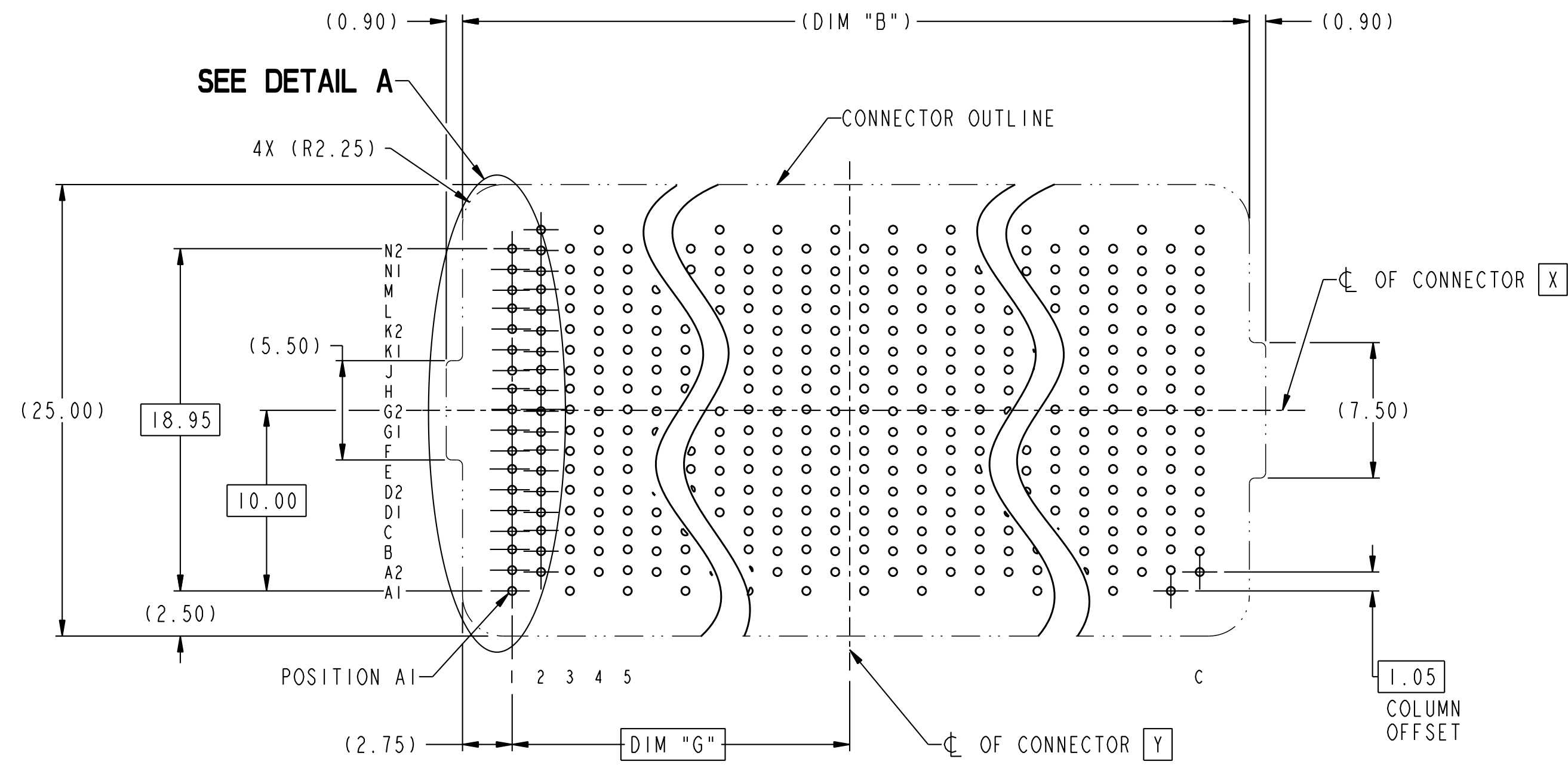


PRELIMINARY

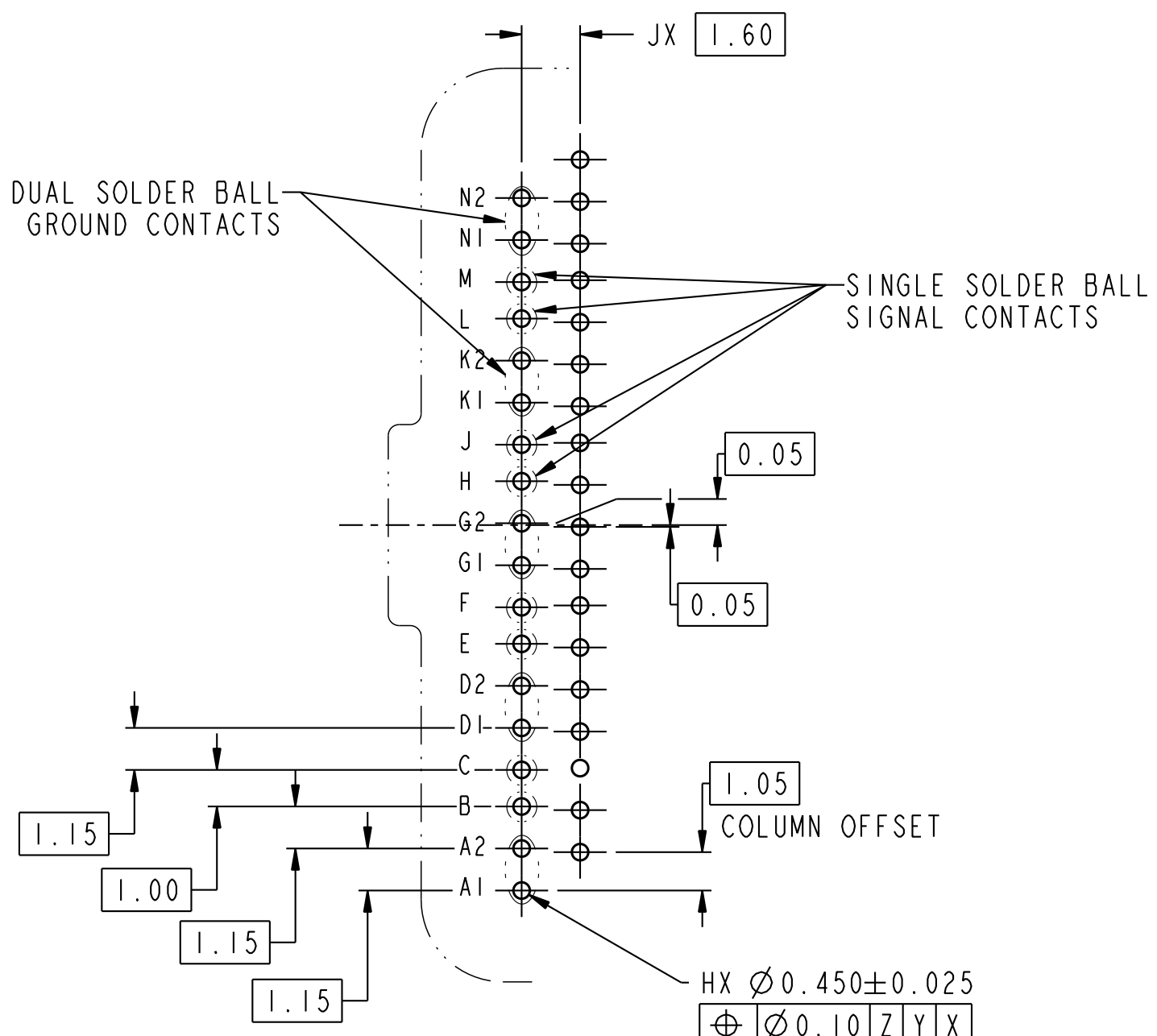
spec ref	-	dr	HCL-SS	2018-09-10	projection	mm	size	A2	scale	3:1
tolerance std	ANSI Y14.5	eng	R. JOHNSON	2018-09-10			ecn no	rel level	In Work	rev
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr								
surface	linear	0.X	±0.3	Amphenol FCI	1mm PLUG ASSEMBLY 4 PR, 92Ω, FAMILY DRAWING	cat. no.	Product - Customer Drw	sheet 2 of 5	10154425	I
		0.XX	±0.10							
	angular	0°	±2°							

Amphenol FCI

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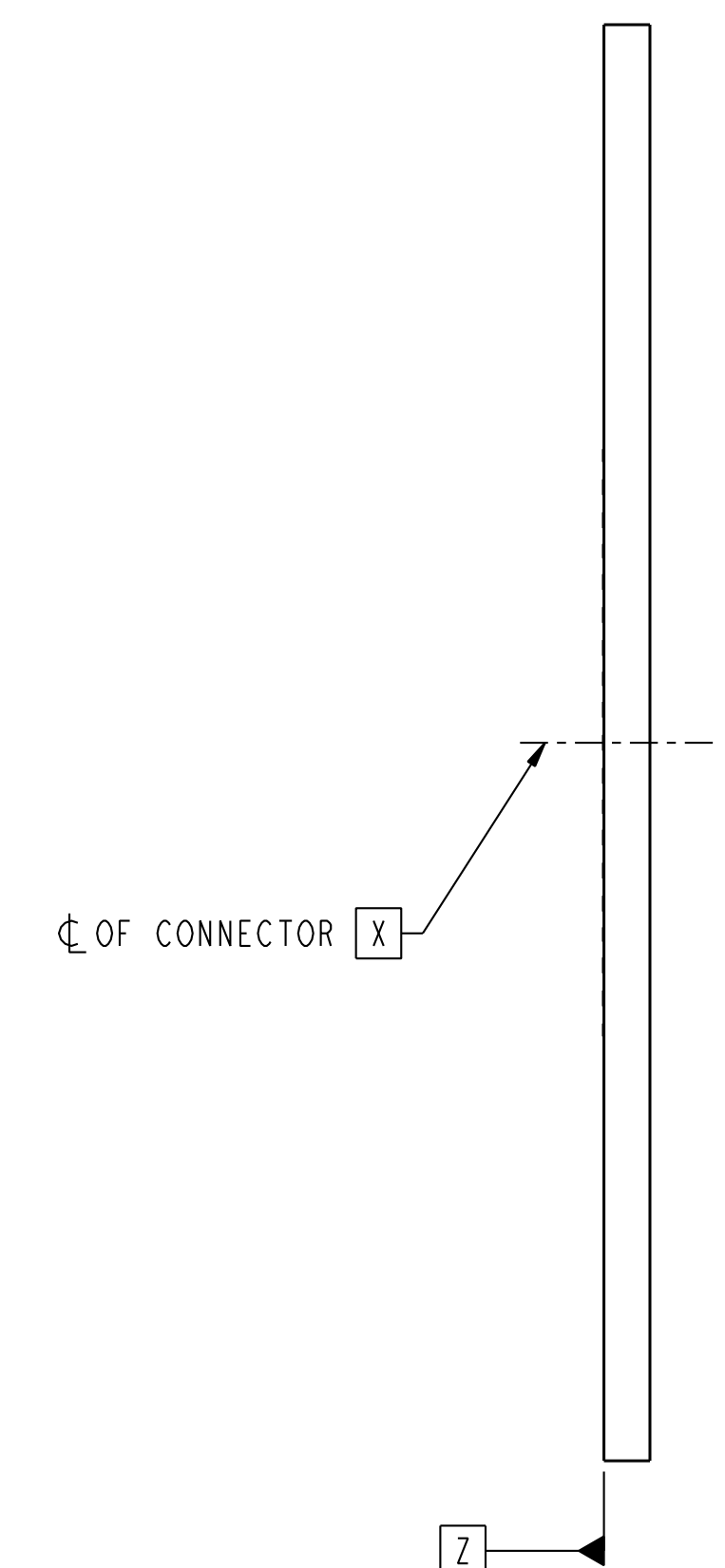


PCB PAD LAYOUT



DETAIL A
SCALE 6:1

NOTE 3
Ø0.10 [Z] [Y] [X]



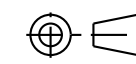
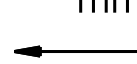

PRELIMINARY

spec ref	-	dr	HCL-SS	2018-09-10	projection	mm	size	A2	scale	4:1
tolerance std	ANSI Y14.5	eng	R. JOHNSON	2018-09-10			ecn no	rel level	In Work	rev
ANSI Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr								
surface	linear	0.X	±0.3	Amphenol FCI	1mm PLUG ASSEMBLY 4 PR, 92Ω, FAMILY DRAWING	cat. no.	Product - Customer Drw	sheet 3 of 5	10154425	I
	angular	0°	±2°							
ANSI Y14.5										

I	2	3	4	5	6	7	8	DIM "A"		DIM "B"		C		D		DIM "E"		F		DIM "G"		H		J	
								PRODUCT NUMBER	PICK-UP CAP	CONTACT PLATING	SOLDER BALL	NOTES	DIFFERENTIAL PAIR COUNT	SIGNAL PIN COUNT	GROUND PIN COUNT	WIDTH OF CONNECTOR WALL	OVERALL WIDTH OF CONNECTOR	NUMBER OF COLUMNS	NUMBER OF SOLDER BALLS	DISTANCE FROM FIRST TO LAST COLUMN	PITCH	DISTANCE FROM POSITION A1 COLUMN TO ϕ OF DATUM "Y"	NUMBER OF PCB PADS	PCB PAD COLUMN PITCH	
A	10154416-192S	YES	30 μ m (0.76 μ m) GXT	SnPb	-	80	160	100	35.90	37.70	20	360	30.40	19	15.20	360	19								
	10154416-192SLF	YES	30 μ m (0.76 μ m) GXT	SnAgCu LEAD FREE	8																				
	10152297-192S	YES	30 μ m (0.76 μ m) GXT	SnPb	-	96	192	120	42.30	44.10	24	432	36.80	23	18.40	432	23								
	10152297-192SLF	YES	30 μ m (0.76 μ m) GXT	SnAgCu LEAD FREE	8																				
	10154418-192S	YES	30 μ m (0.76 μ m) GXT	SnPb	-	112	224	140	48.70	50.50	28	504	43.20	27	21.60	504	27								
	10154418-192SLF	YES	30 μ m (0.76 μ m) GXT	SnAgCu LEAD FREE	8																				
	10154420-192S	YES	30 μ m (0.76 μ m) GXT	SnPb	-	128	256	160	55.10	56.90	32	576	49.60	31	24.80	576	31								
	10154420-192SLF	YES	30 μ m (0.76 μ m) GXT	SnAgCu LEAD FREE	8																				
	10148148-192S	YES	30 μ m (0.76 μ m) GXT	SnPb	-	144	288	180	61.50	63.30	36	648	56.00	35	28.00	648	35								
	10148148-192SLF	YES	30 μ m (0.76 μ m) GXT	SnAgCu LEAD FREE	8																				
B	10148901-192S	YES	30 μ m (0.76 μ m) GXT	SnPb	-	160	320	200	67.90	69.70	40	720	62.40	39	31.20	720	39								
	10148901-192SLF	YES	30 μ m (0.76 μ m) GXT	SnAgCu LEAD FREE	8																				

Amphenol FCI

PRELIMINARY

spec ref	-			dr	HCL-SS	2018-09-10	projection	mm	size	A2	scale	1:1
tolerance std	ANSI Y14.5 ANSI Y14.5			eng	R. JOHNSON	2018-09-10			ecn no	rel level	In Work	
TOLERANCES UNLESS OTHERWISE SPECIFIED			chr									
			appr									
surface	linear	0.X	±0.3	Amphenol FCI 1mm PLUG ASSEMBLY 4 PR, 92Ω, FAMILY DRAWING					10154425	rev 1		
		0.XX	±0.10									
		0.XXX	±0.05									
ANSI Y14.5	angular	0°	±2°	cat. no.	-			Product - Customer Drw	sheet 4 of 5			

NOTES:

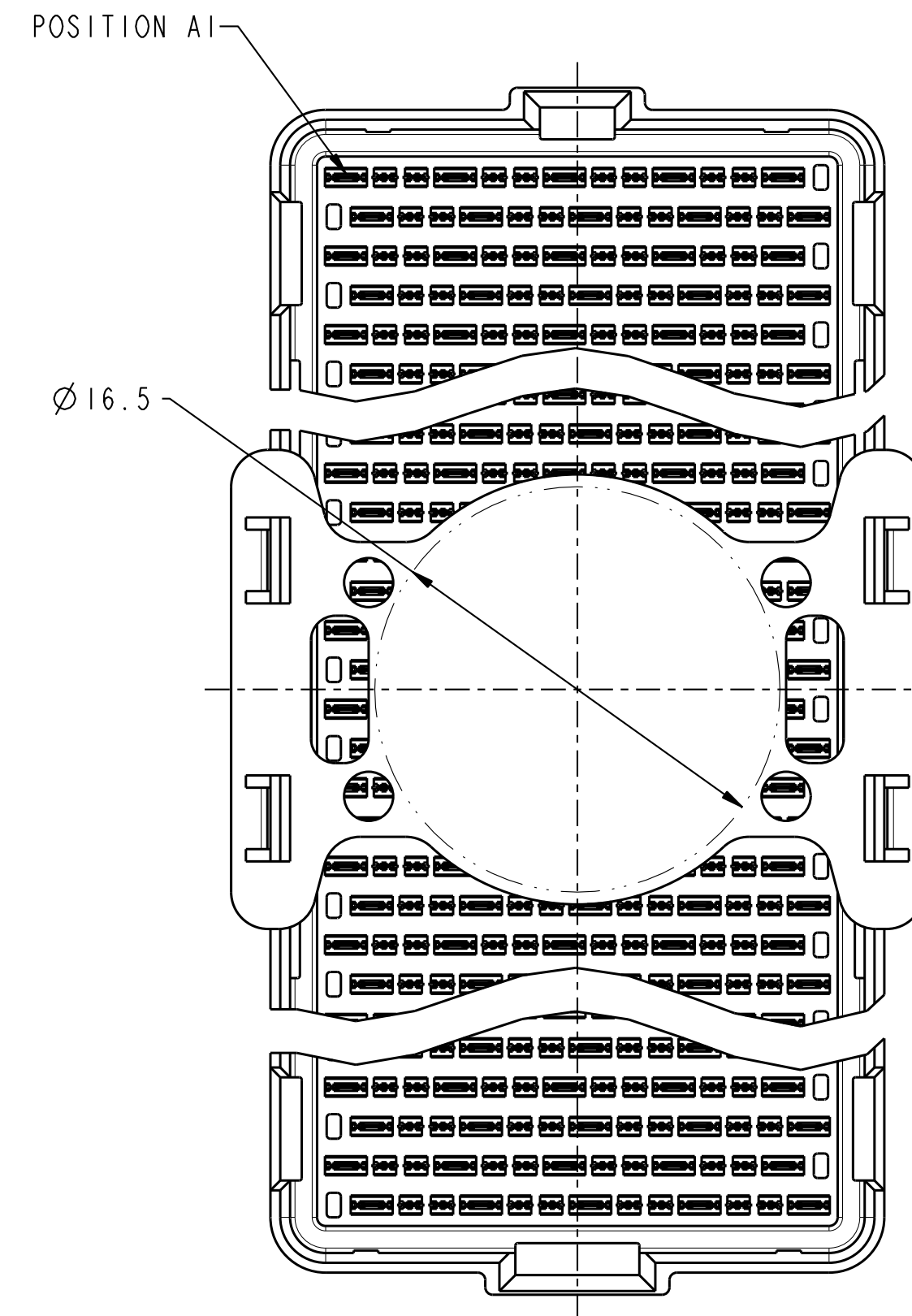
1. MATERIAL:
 HOUSING: HIGH TEMPERATURE THERMOPLASTIC
 UL RATING: 94 V-0

 PICK-UP CAP: HIGH TEMPERATURE THERMOPLASTIC
 UL RATING: 94 V-0

 CONTACT: COPPER ALLOY

 PLATING (CONTACT): GXT (SEE TABLE)

 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 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-20-0553.
4. PRODUCT SPECIFICATION: GS-12-1466
 APPLICATION SPECIFICATION: GS-20-0553
5. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
6. MATED HEIGHT AFFECTED BY CUSTOMER'S PCB PAD SIZE, PLATING, SOLDER REFLOW PROFILE, AND SOLDER PASTE.
7. FOR PROPER APPLICATION FOLLOW AFCI APPLICATION SPECIFICATION GS-20-0553. LEAD FREE SOLDER BALLS WILL NOT SOLDER PROPERLY IN A LEADED SOLDER PROCESS DUE TO A HIGHER REFLOW TEMPERATURE. LEAD FREE PRODUCT IS THEREFORE NOT BACKWARDS COMPATIBLE WITH LEADED OR SOME SOLDERING OPERATIONS.
- ⑧ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004. PRODUCT MEETING THIS DIRECTIVE IS IDENTIFIED IN THE LOT CODE NUMBER MARKED ON EACH PART BY HAVING AN "X" IN THE SEVENTH CHARACTER POSITION.
9. FOR PURPOSES OF MAXIMIZING MANUFACTURING UTILIZATION, PLATED TERMINALS WITH HIGHER PLATING THICKNESS THAN THE MINIMUM OF 30µ" MAY BE SUBSTITUTED.



VACUUM PICK-UP AREA
 SCALE 4:1

PRELIMINARY

spec ref -		dr HCL-SS	2018-09-10	projection	mm	size A2	scale 1:1
tolerance std		eng R. JOHNSON	2018-09-10			ecn no	rel level
ANSI Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED					
ANSI Y14.5		Amphenol FCI		product family M-Series 56		In Work	
surface		1mm PLUG ASSEMBLY		cat. no.		10154425	
linear		4 PR, 92Ω, FAMILY DRAWING		Product - Customer Drw		sheet 5 of 5	
angular							
ANSI Y14.5							

Amphenol FCI

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