

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	ECR-21-122345	23NOV2022	TL	HL

⚠ MATERIAL:
BASE HOUSING, UPPER HOUSING, ORGANIZER,
AND SPACER: THERMOPLASTIC, FLAMMABILITY
RATING UL94 V-0
CONTACT: COPPER ALLOY

2. CONFORMS TO THE REQUIREMENTS OF TE PRODUCT
SPECIFICATION, 108-2375; BASED ON TELCORDIA
GR-1217-CORE FOR SYSTEM QUALITY LEVEL III,
APPLICATIONS IN CONTROLLED ENVIRONMENTS
(CENTRAL OFFICE).
SEE TE PRODUCT SPECIFICATION 108-2375 FOR
TEST SEQUENCES.

⚠ ROWS GA THRU GE (SHOWN DARKENED) ARE TYPICALLY
USED AS GROUNDS.

⚠ SPECIFIED POSITIONAL TOLERANCE DEFINES HOLE TO
HOLE LOCATION WITHIN HOLE PATTERN. POSITIONAL
TOLERANCE OF HOLE PATTERN TO FUDICIAL MARKS
OR PCB DATUMS SHALL BE DEFINED BY CUSTOMER.

⚠ AREA RESERVED FOR TE CONNECTIVITY LOGO.

⚠ AREA RESERVED FOR PART NUMBER (X-XXXXXXX-X) AND
DATE CODE (YYWW).

⚠ USE CENTER LINES INDICATED ON PCB HOLE PATTERN
TO ESTABLISH ALIGNMENT BETWEEN HEADER AND
RECEPTACLE BOARDS.

⚠ PLATED THROUGH HOLE REQUIREMENTS - SIGNAL:
HOLE SIZE PRIOR TO PLATING = $\varnothing 0.420 \pm 0.013$
COPPER PLATING THICKNESS = 0.038 ± 0.013
CALCULATED FINISHED HOLE SIZE = $\varnothing 0.344 \pm 0.039$
THESE DIMENSIONS APPLY TO THE TOP 1.25mm OF
THE PCB THICKNESS FROM THE CONNECTOR MOUNTING
SIDE.

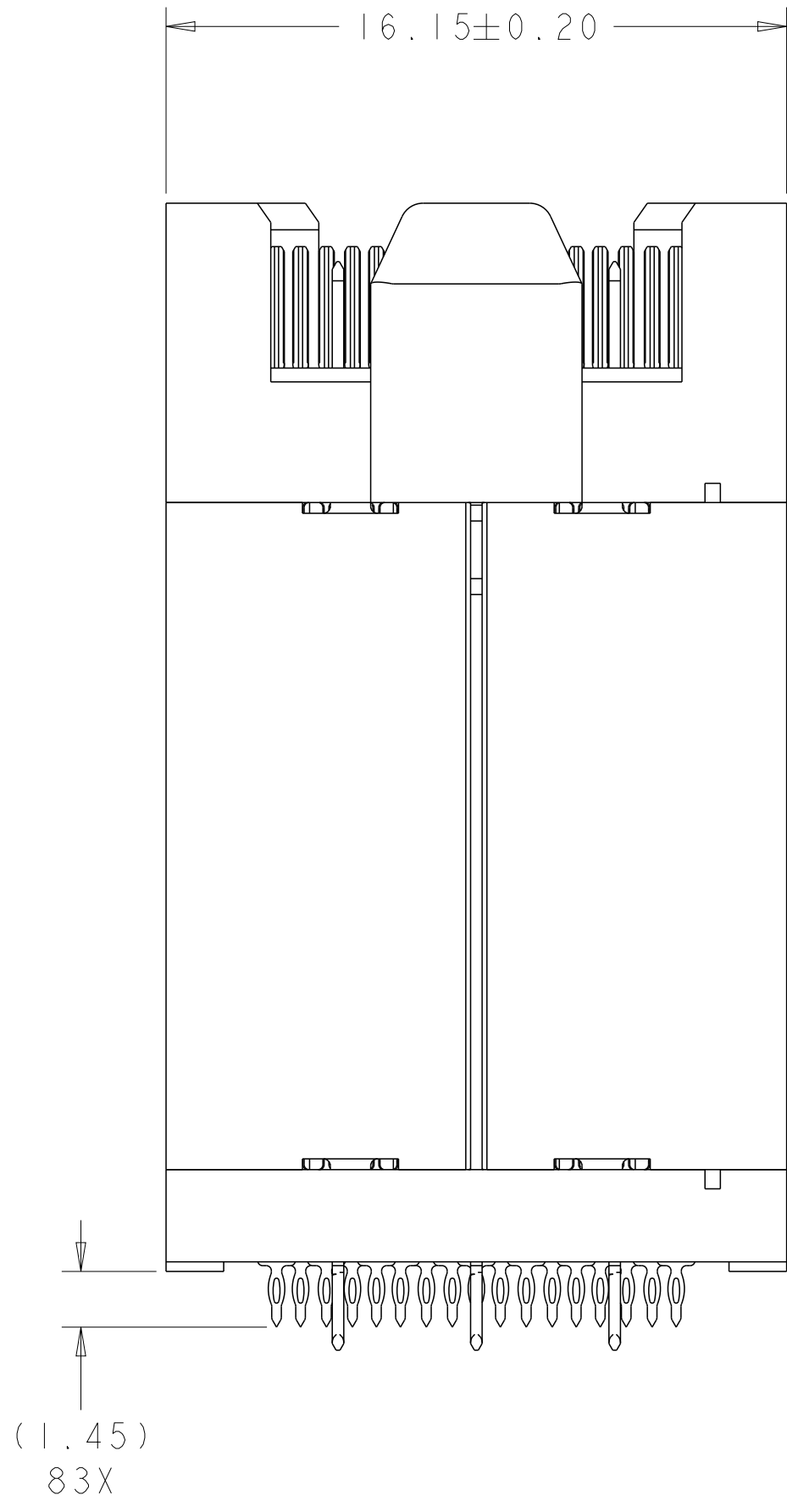
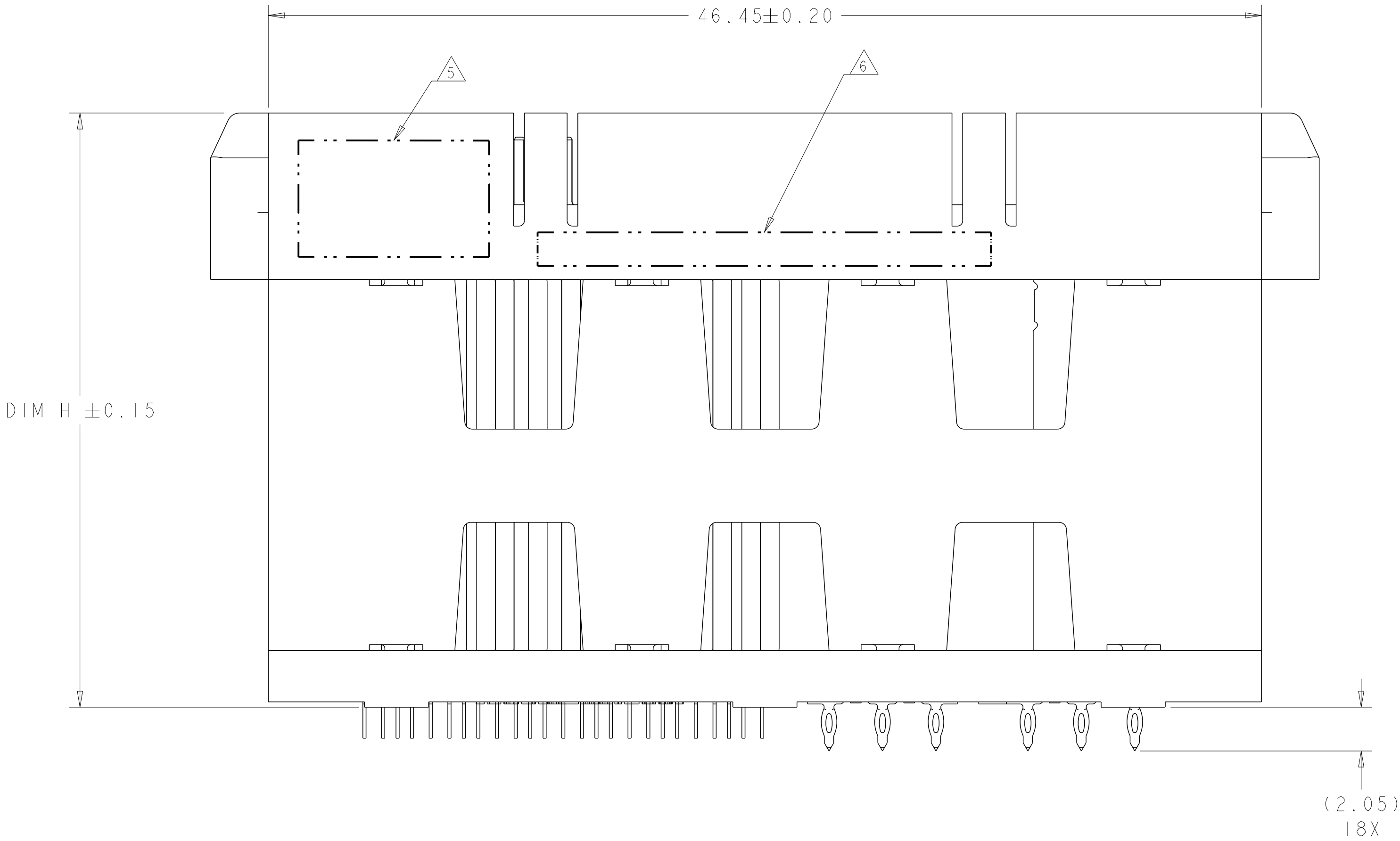
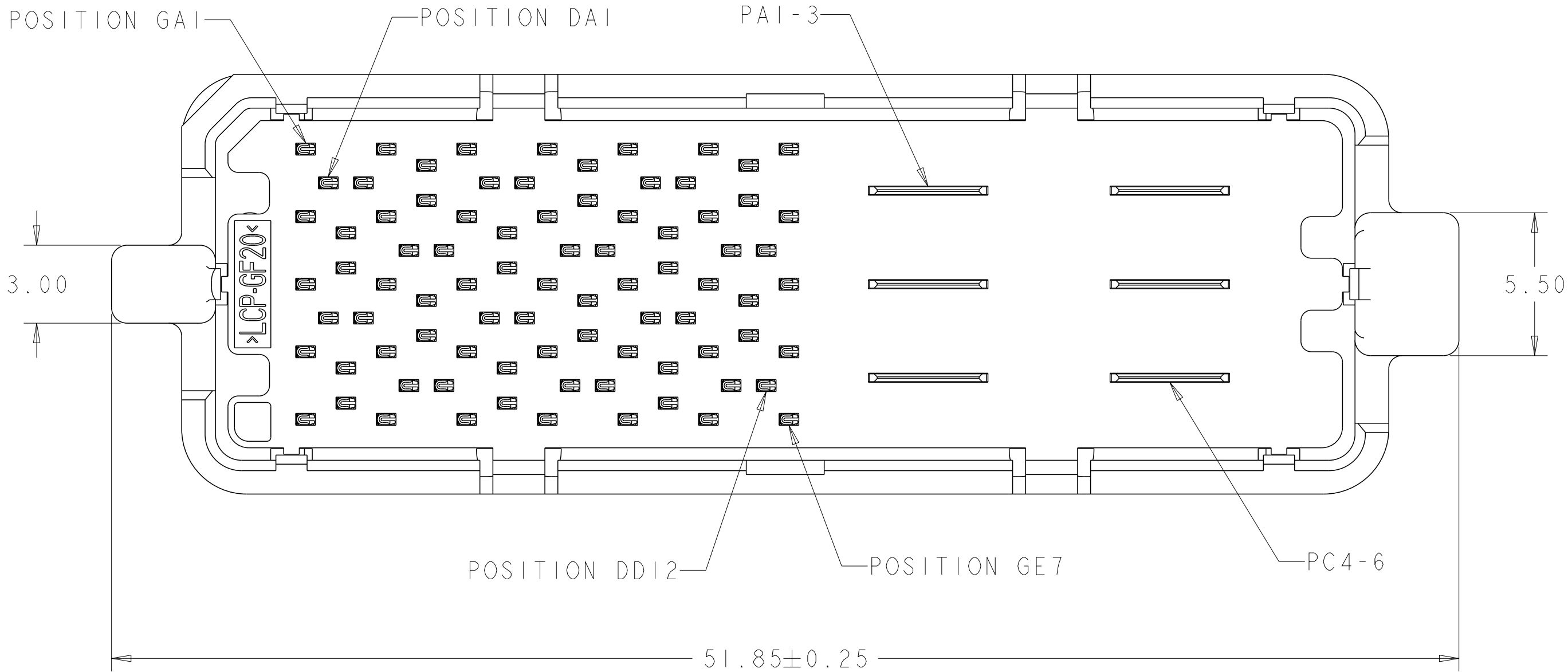
⚠ PLATED THROUGH HOLE REQUIREMENTS - POWER:
HOLE SIZE PRIOR TO PLATING = $\varnothing 0.700 \pm 0.025$
COPPER PLATING THICKNESS = 0.038 ± 0.013
CALCULATED FINISHED HOLE SIZE = $\varnothing 0.624 \pm 0.051$
THESE DIMENSIONS APPLY TO THE TOP 1.50mm OF
THE PCB THICKNESS FROM THE CONNECTOR MOUNTING
SIDE.

⚠ CONTACT SALES FOR AVAILABILITY OF THIS STACK
HEIGHT.

⚠ PRELIMINARY PARTS.

SIZE 2 HALF WIDE W/GUIDE POSTS *
24 DIFFERENTIAL PAIRS + GROUNDS
83 TOTAL SIGNAL CONTACTS
6 POWER CONTACTS

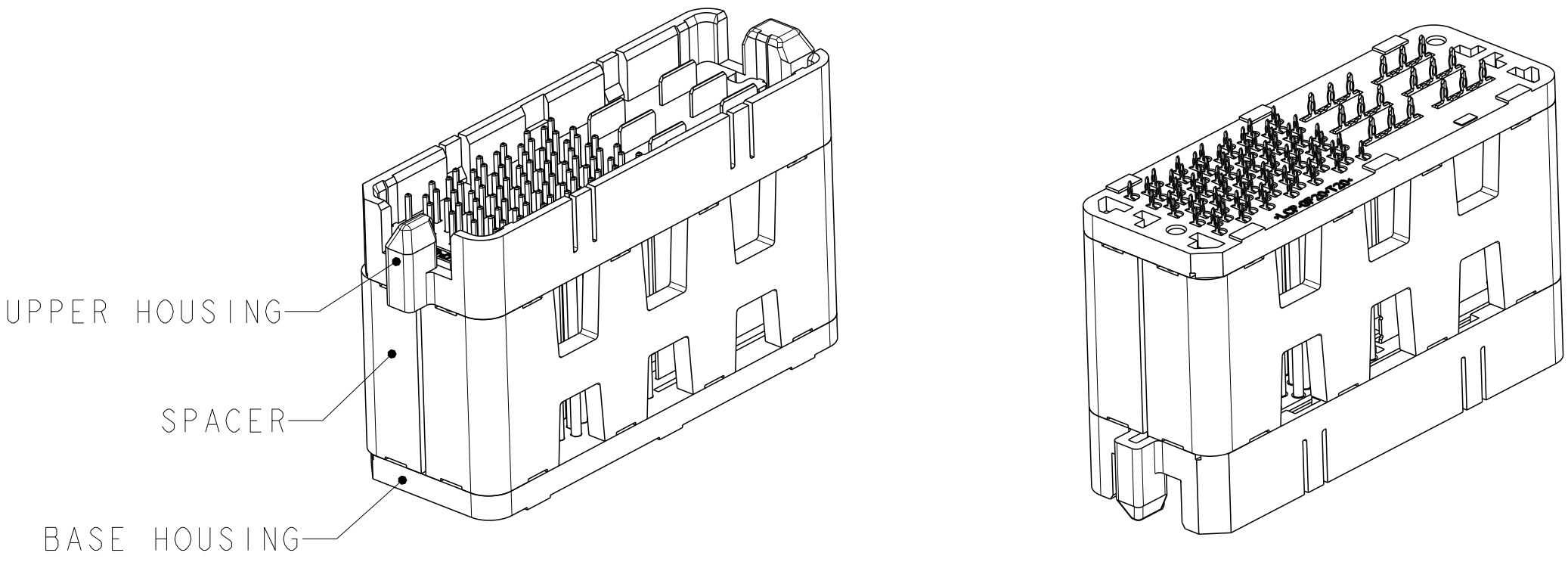
* SIZE 1 AND SIZE 3 ARE ALSO AVAILABLE



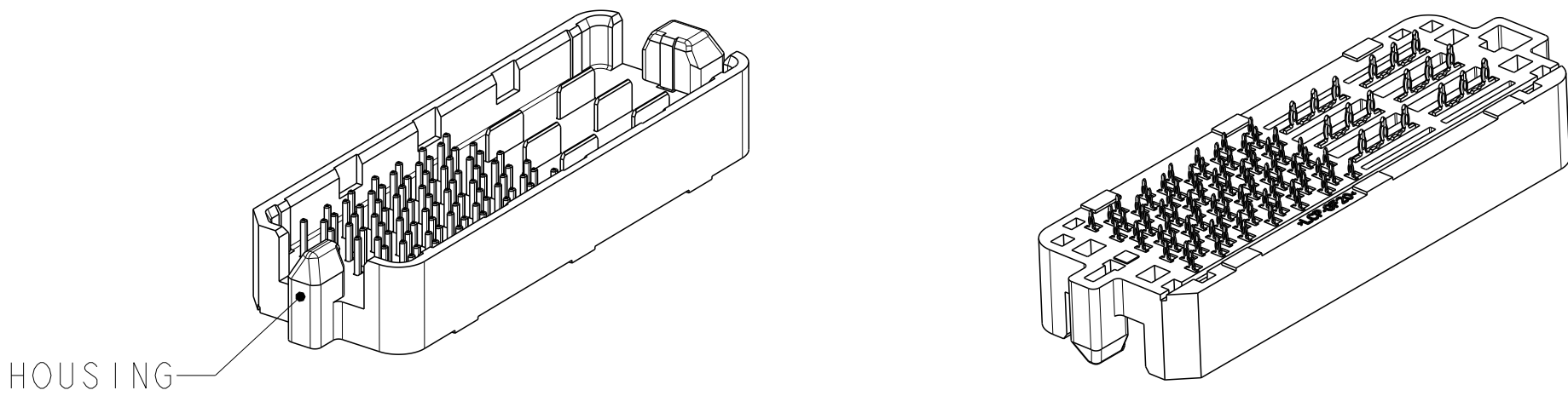
THIS PRODUCT HAS NOT
COMPLETED VALIDATION AND
QUALIFICATION TESTING

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN HAMNER 03JUN2011	TE Connectivity	
DIMENSIONS:		CHK D. TROUT 07JUN2011		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD J. FEEDER 07JUN2011	NAME	
	0 PLC ±"	PRODUCT SPEC	HEADER ASSEMBLY, HALF-WIDE, 24/83/6P, STRADA MESA MEZZANINE CONNECTOR	
	1 PLC ±"	108-2375		
	2 PLC ±0.13	APPLICATION SPEC		
	3 PLC ±0.013	114-13249	SIZE CAGE CODE DRAWING NO	
	4 PLC ±"	WEIGHT -	A100779C=2180760	
MATERIAL		Customer Drawing	SCALE 3:1	SHEET 1 OF 4 REV B

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



ISOMETRIC VIEW
TYPICAL CONFIGURATION FOR 14mm THRU 42mm
28mm SHOWN
SCALE 2:1



ISOMETRIC VIEWS
TYPICAL CONFIGURATION FOR 8mm THRU 13mm
8mm SHOWN
SCALE 2:1

	41.8	42mm	MATTE Sn	9-2180760-2
	40.8	41mm	MATTE Sn	9-2180760-1
	39.8	40mm	MATTE Sn	9-2180760-0
	38.8	39mm	MATTE Sn	8-2180760-9
	37.8	38mm	MATTE Sn	8-2180760-8
YES	36.8	37mm	MATTE Sn	8-2180760-7
	35.8	36mm	MATTE Sn	8-2180760-6
	34.8	35mm	MATTE Sn	8-2180760-5
	33.8	34mm	MATTE Sn	8-2180760-4
	32.8	33mm	MATTE Sn	8-2180760-3
	31.8	32mm	MATTE Sn	8-2180760-2
	30.8	31mm	MATTE Sn	8-2180760-1
	29.8	30mm	MATTE Sn	8-2180760-0
	28.8	29mm	MATTE Sn	7-2180760-9
	27.8	28mm	MATTE Sn	7-2180760-8
	26.8	27mm	MATTE Sn	7-2180760-7
	25.8	26mm	MATTE Sn	7-2180760-6
	24.8	25mm	MATTE Sn	7-2180760-5
	23.8	24mm	MATTE Sn	7-2180760-4
YES	22.8	23mm	MATTE Sn	7-2180760-3
	21.8	22mm	MATTE Sn	7-2180760-2
	20.8	21mm	MATTE Sn	7-2180760-1
	19.8	20mm	MATTE Sn	7-2180760-0
	18.8	19mm	MATTE Sn	6-2180760-9
	17.8	18mm	MATTE Sn	6-2180760-8
	16.8	17mm	MATTE Sn	6-2180760-7
	15.8	16mm	MATTE Sn	6-2180760-6
	14.8	15mm	MATTE Sn	6-2180760-5
	13.8	14mm	MATTE Sn	6-2180760-4
	12.8	13mm	MATTE Sn	6-2180760-3
	11.8	12mm	MATTE Sn	6-2180760-2
	10.8	11mm	MATTE Sn	6-2180760-1
	9.8	10mm	MATTE Sn	6-2180760-0
	8.8	9mm	MATTE Sn	5-2180760-9
	7.8	8mm	MATTE Sn	5-2180760-8
TOOLED	DIM H	STACK HEIGHT	CONTACT TAIL PLATING	PART NUMBER

	41.8	42mm	Sn/Pb	4-2180760-2
	40.8	41mm	Sn/Pb	4-2180760-1
	39.8	40mm	Sn/Pb	4-2180760-0
	38.8	39mm	Sn/Pb	3-2180760-9
	37.8	38mm	Sn/Pb	3-2180760-8
OBSOLETE	36.8	37mm	Sn/Pb	3-2180760-7
	35.8	36mm	Sn/Pb	3-2180760-6
	34.8	35mm	Sn/Pb	3-2180760-5
	33.8	34mm	Sn/Pb	3-2180760-4
	32.8	33mm	Sn/Pb	3-2180760-3
	31.8	32mm	Sn/Pb	3-2180760-2
	30.8	31mm	Sn/Pb	3-2180760-1
	29.8	30mm	Sn/Pb	3-2180760-0
	28.8	29mm	Sn/Pb	2-2180760-9
	27.8	28mm	Sn/Pb	2-2180760-8
	26.8	27mm	Sn/Pb	2-2180760-7
	25.8	26mm	Sn/Pb	2-2180760-6
	24.8	25mm	Sn/Pb	2-2180760-5
	23.8	24mm	Sn/Pb	2-2180760-4
OBSOLETE	22.8	23mm	Sn/Pb	2-2180760-3
	21.8	22mm	Sn/Pb	2-2180760-2
	20.8	21mm	Sn/Pb	2-2180760-1
	19.8	20mm	Sn/Pb	2-2180760-0
	18.8	19mm	Sn/Pb	1-2180760-9
	17.8	18mm	Sn/Pb	1-2180760-8
	16.8	17mm	Sn/Pb	1-2180760-7
	15.8	16mm	Sn/Pb	1-2180760-6
	14.8	15mm	Sn/Pb	1-2180760-5
	13.8	14mm	Sn/Pb	1-2180760-4
	12.8	13mm	Sn/Pb	1-2180760-3
	11.8	12mm	Sn/Pb	1-2180760-2
	10.8	11mm	Sn/Pb	1-2180760-1
	9.8	10mm	Sn/Pb	1-2180760-0
	8.8	9mm	Sn/Pb	2180760-9
	7.8	8mm	Sn/Pb	2180760-8
TOOLED	DIM H	STACK HEIGHT	CONTACT TAIL PLATING	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
HAMNER
03JUN2011

CHK
D. TROUT
07JUN2011

APVD
FEDDER
07JUN2011

NAME

TE Connectivity

DIMENSIONS:

mm

0 PLC
1 PLC
2 PLC
3 PLC
4 PLC
ANGLES
FINISH

±
±
±0.13
±0.013
±
±1

TOLERANCES UNLESS OTHERWISE SPECIFIED:

PRODUCT SPEC
108-2375
APPLICATION SPEC
114-13249

MATERIAL

-
-

WEIGHT

-

Customer Drawing

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A1

00779

2180760

-

SCALE

6:1

SHEET

2

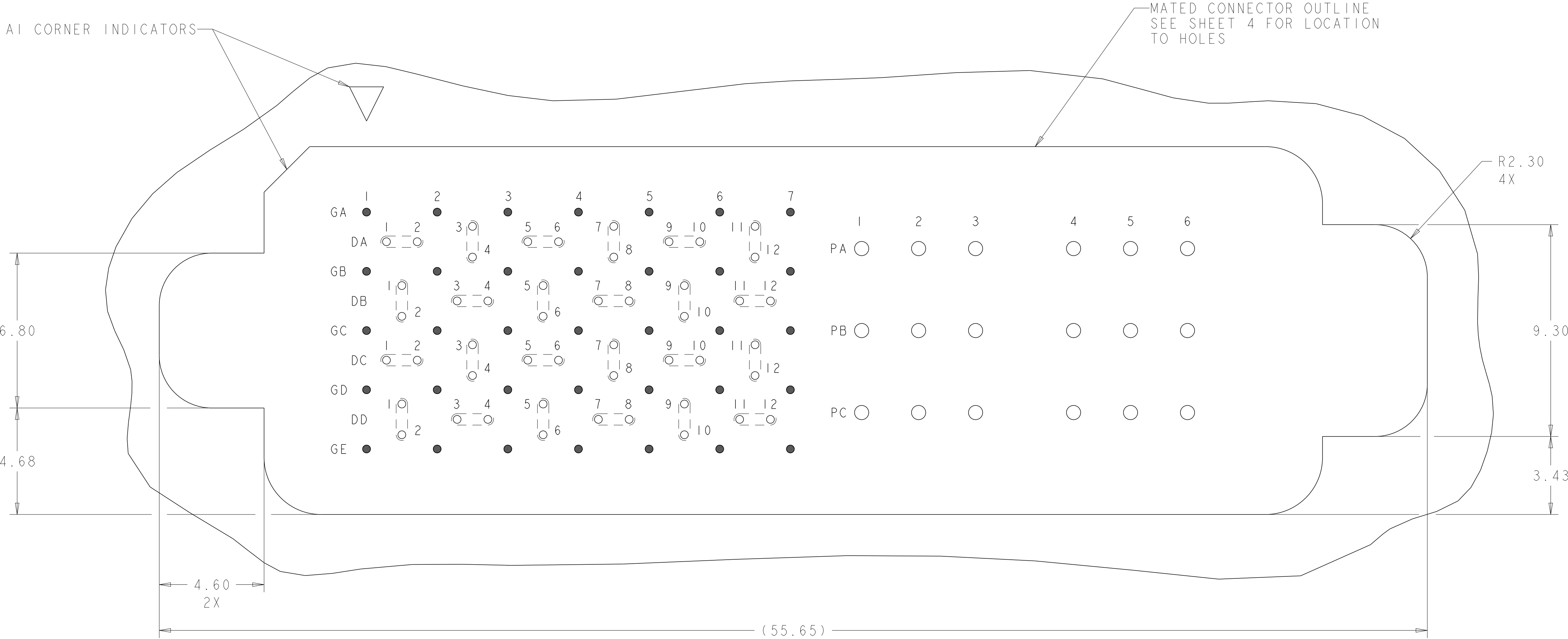
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4

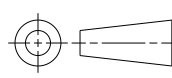
REV

B

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



PCB LAYOUT AND PIN IDENTIFICATION 
SHOWN FROM CONNECTOR SIDE
SCALE 9:1

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mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD J. FEEDER 07JUN2011	NAME	
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	1 PLC ±"	108-2375		
	2 PLC ±0.13	APPLICATION SPEC		
	3 PLC ±0.013	114-13249		
MATERIAL	4 PLC ±"	WEIGHT	SIZE	CAGE CODE
	ANGLES	-	A1	00779
FINISH		Customer Drawing	SCALE	6:1
-			SHEET	3
-			OF	4
			REV	B



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