

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	REVISED PER ECO-14-005178	11APR2014	AP	MH

1. 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.

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

4. 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.

5. AREA RESERVED FOR TE CONNECTIVITY LOGO.

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

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

8. 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.

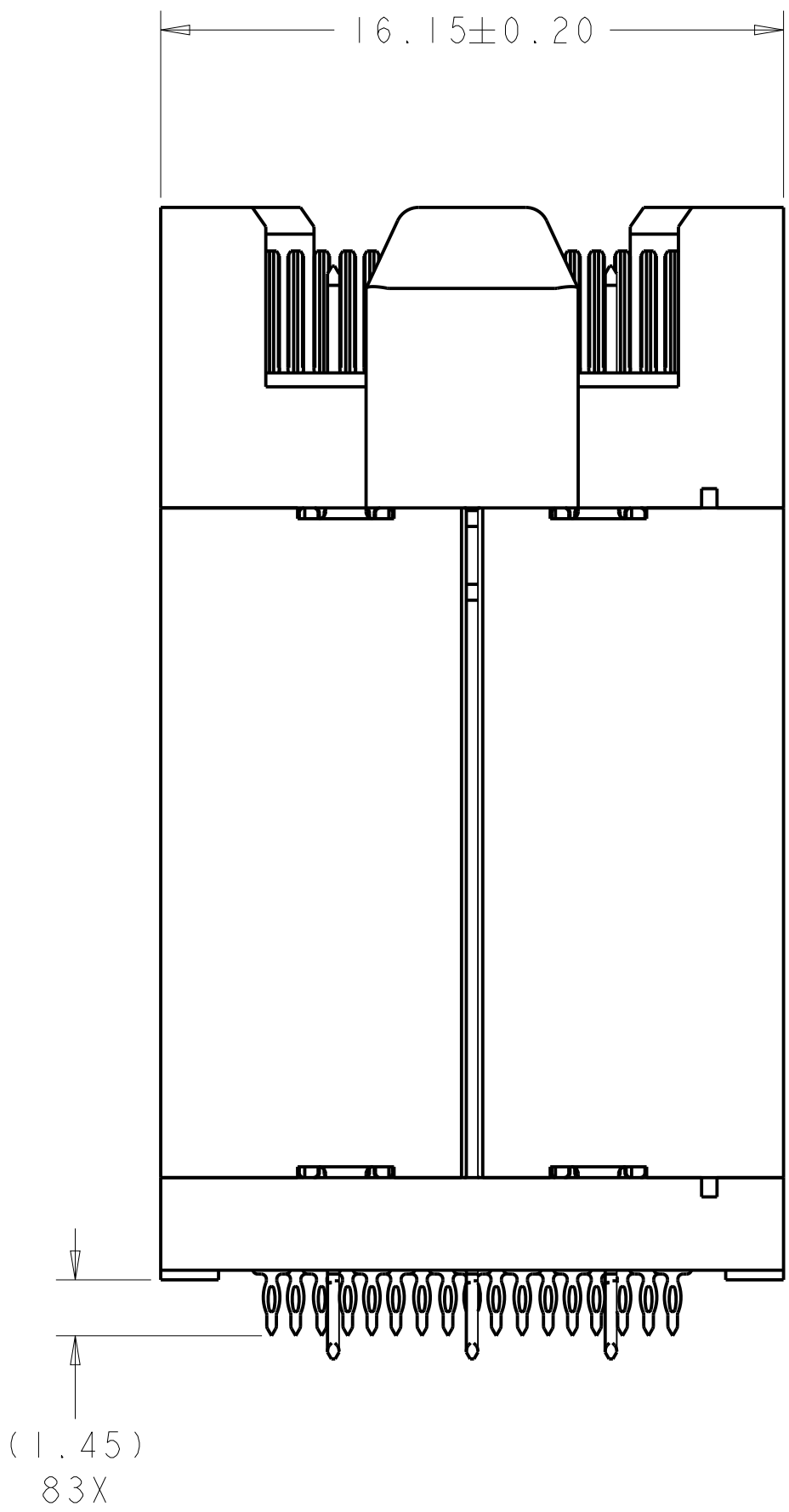
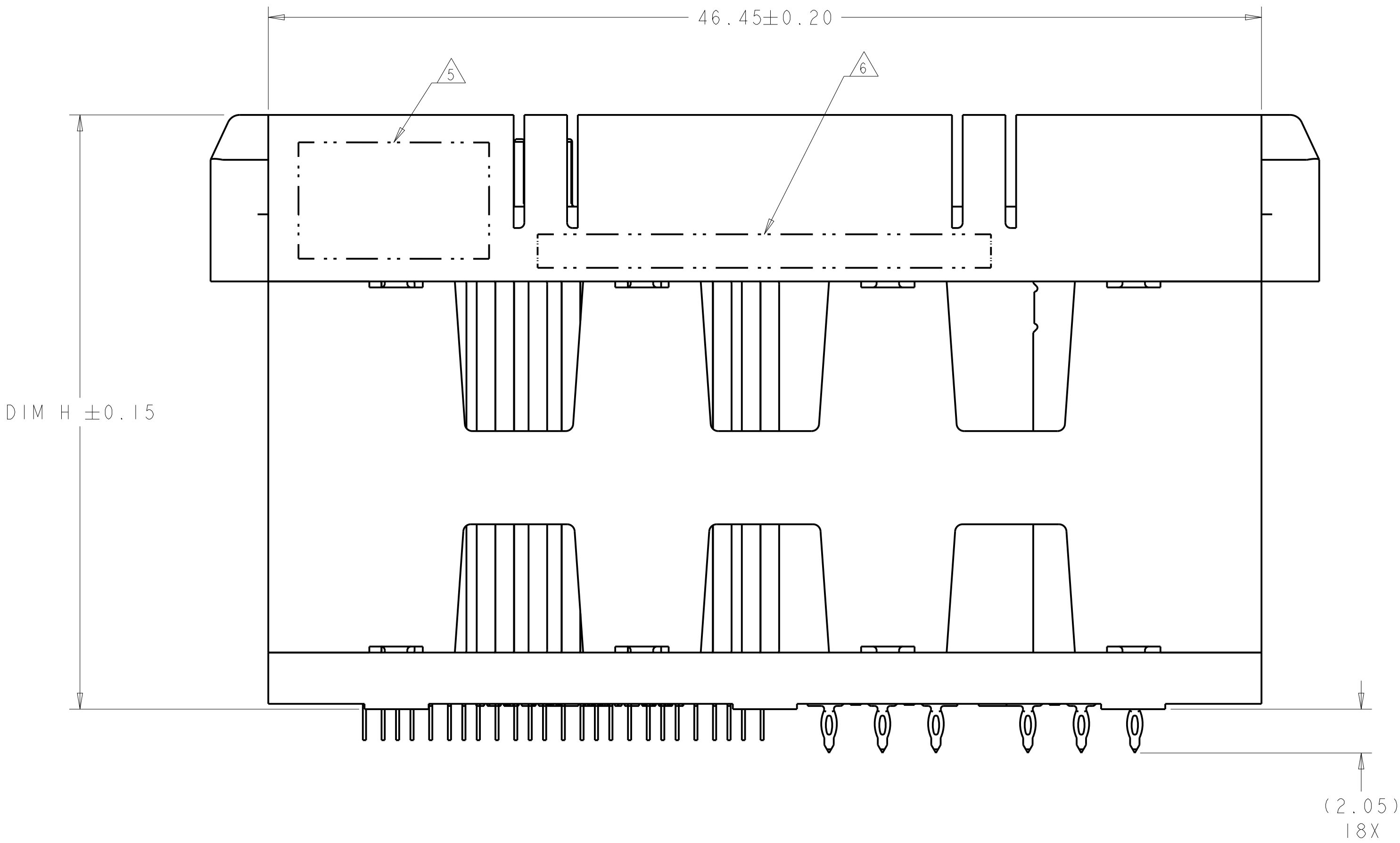
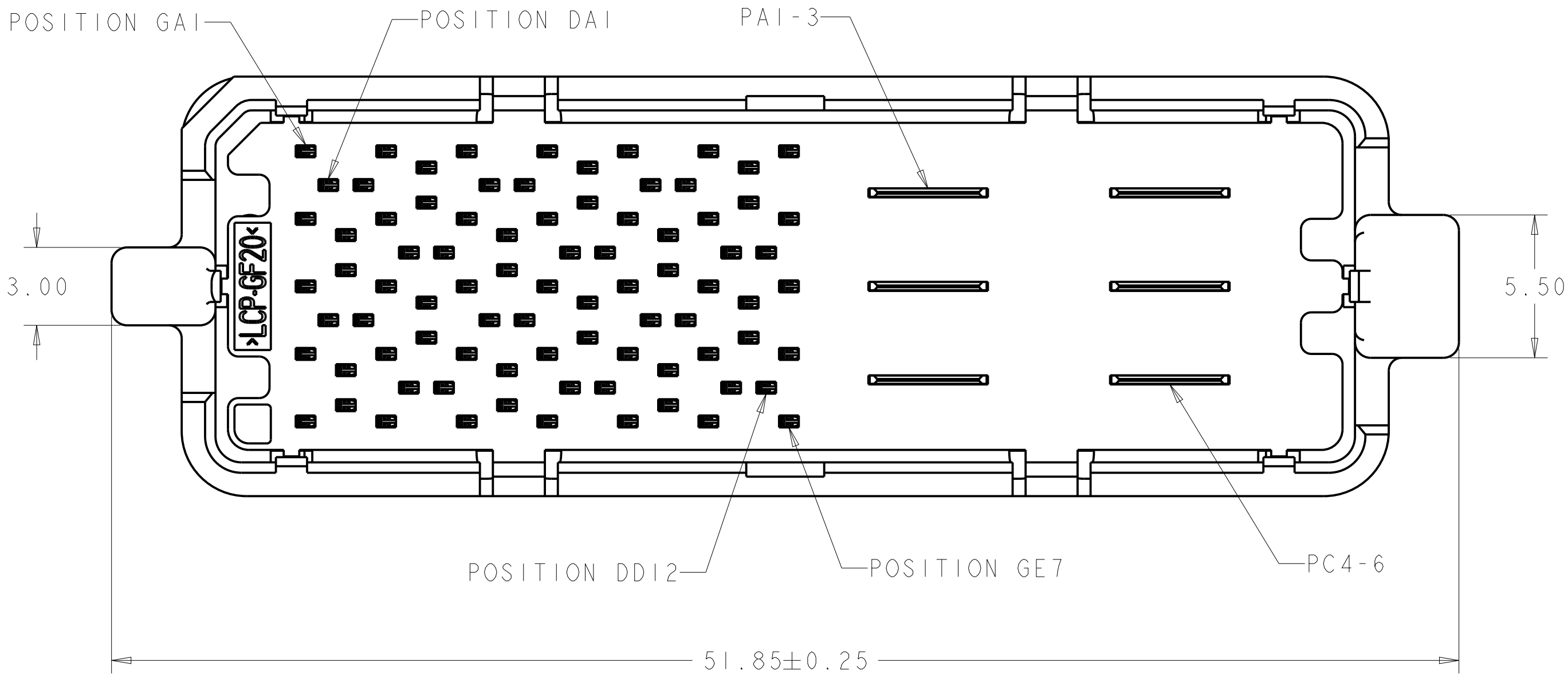
9. PLATED THROUGH HOLE REQUIREMENTS - POWER:
HOLE SIZE PRIOR TO PLATING = $\varnothing 0.700 \pm 0.025$
COPPER PLATING THICKNESS = 0.038 ± 0.013
CALCULATED FINISHED HOLE SIZE = $\varnothing 0.624 \pm 0.051$
THESE DIMENSIONS APPLY TO THE TOP 1.50mm OF
THE PCB THICKNESS FROM THE CONNECTOR MOUNTING
SIDE.

10. CONTACT SALES FOR AVAILABILITY OF THIS STACK
HEIGHT.

11. PRELIMINARY PARTS.

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

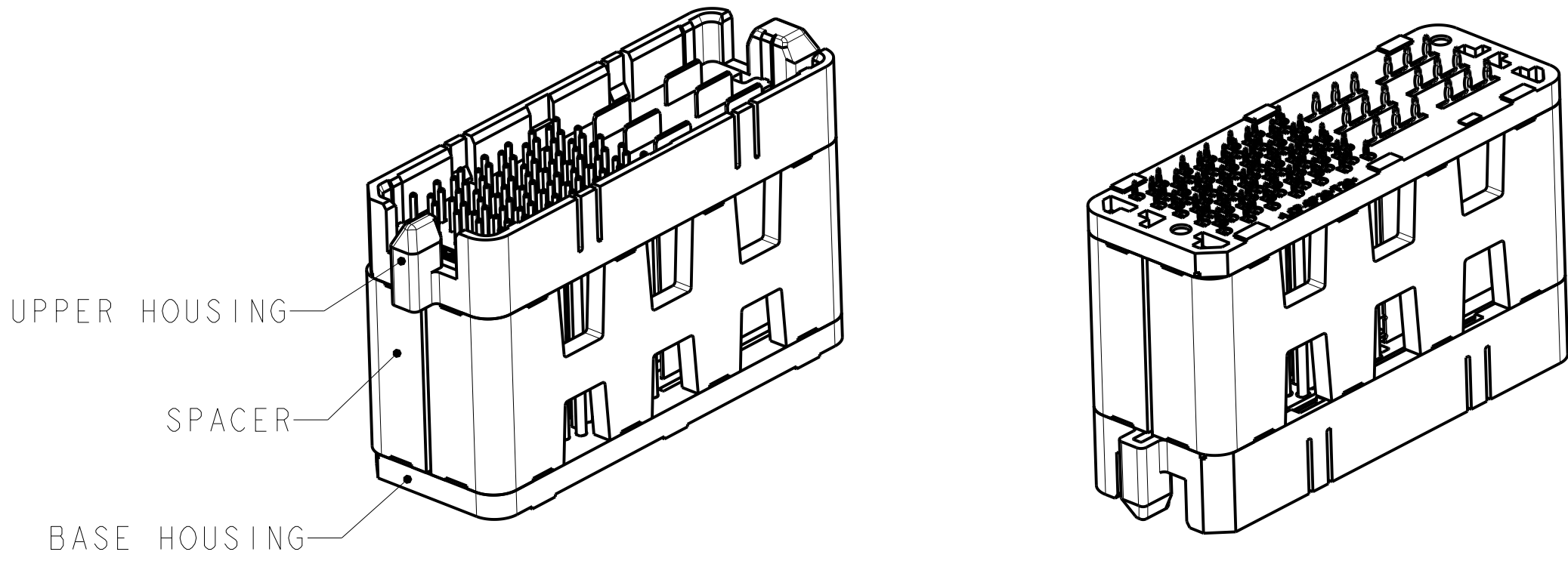
* SIZE 1 AND SIZE 3 ARE ALSO AVAILABLE



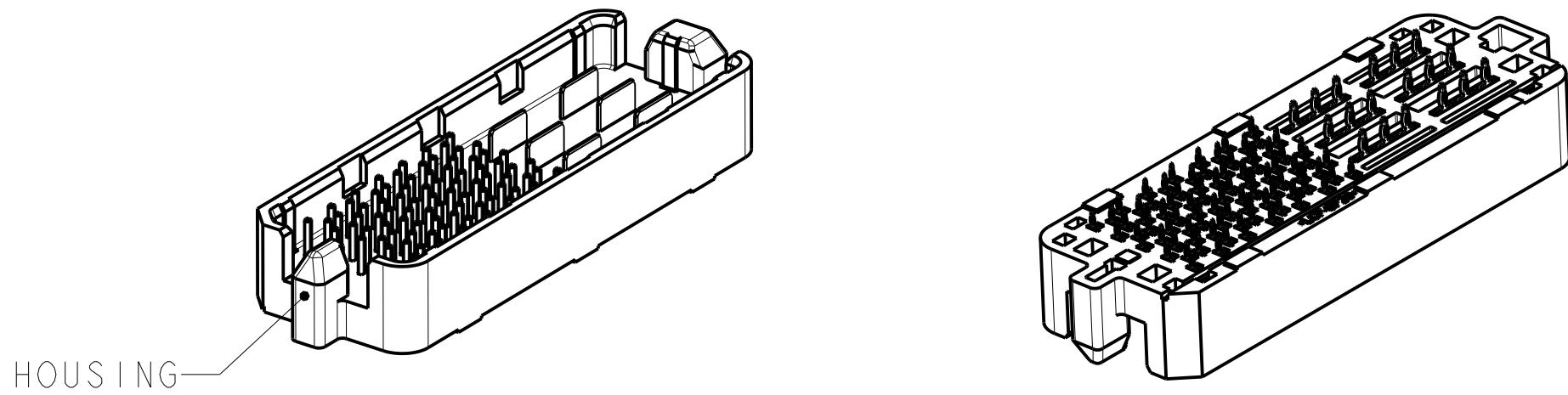
THIS PRODUCT HAS NOT
COMPLETED VALIDATION AND
QUALIFICATION TESTING

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN HAMNER 03JUN2011	TE Connectivity	
DIMENSIONS:		CHK D. TROUT 07JUN2011		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD EFODER 07JUN2011	NAME	
	0 PLC ±°	PRODUCT SPEC	HEADER ASSEMBLY, HALF-WIDE, 24/83/6P, STRADA MESA MEZZANINE CONNECTOR	
	1 PLC ±° .13	108-2375		
	2 PLC ±° .013	APPLICATION SPEC	SIZE CAGE CODE DRAWING NO	
	3 PLC ±° .013	114-13249	A100779C=2180760	
	4 PLC ±° .1	WEIGHT	RESTRICTED TO	
	ANGLES FINISH	-	-	
MATERIAL	-	Customer Drawing	SCALE 6:1 SHEET 1 OF 4 REV A	

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
YES	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
YES	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.

OWN HAMNER 03JUN2011
CHK D. TROUT 07JUN2011
APVD EFODER 07JUN2011

DIMENSIONS:
mm

0 PLC ±"
1 PLC ±.13
2 PLC ±.013
3 PLC ±.013
4 PLC ±"
ANGLES ±.1
FINISH

TOLERANCES UNLESS OTHERWISE SPECIFIED:

PRODUCT SPEC 108-2375
APPLICATION SPEC 114-13249
WEIGHT -

MATERIAL -

Customer Drawing

SIZE 114-13249

CAGE CODE DRAWING NO 100779

RESTRICTED TO -

NAME

TE Connectivity

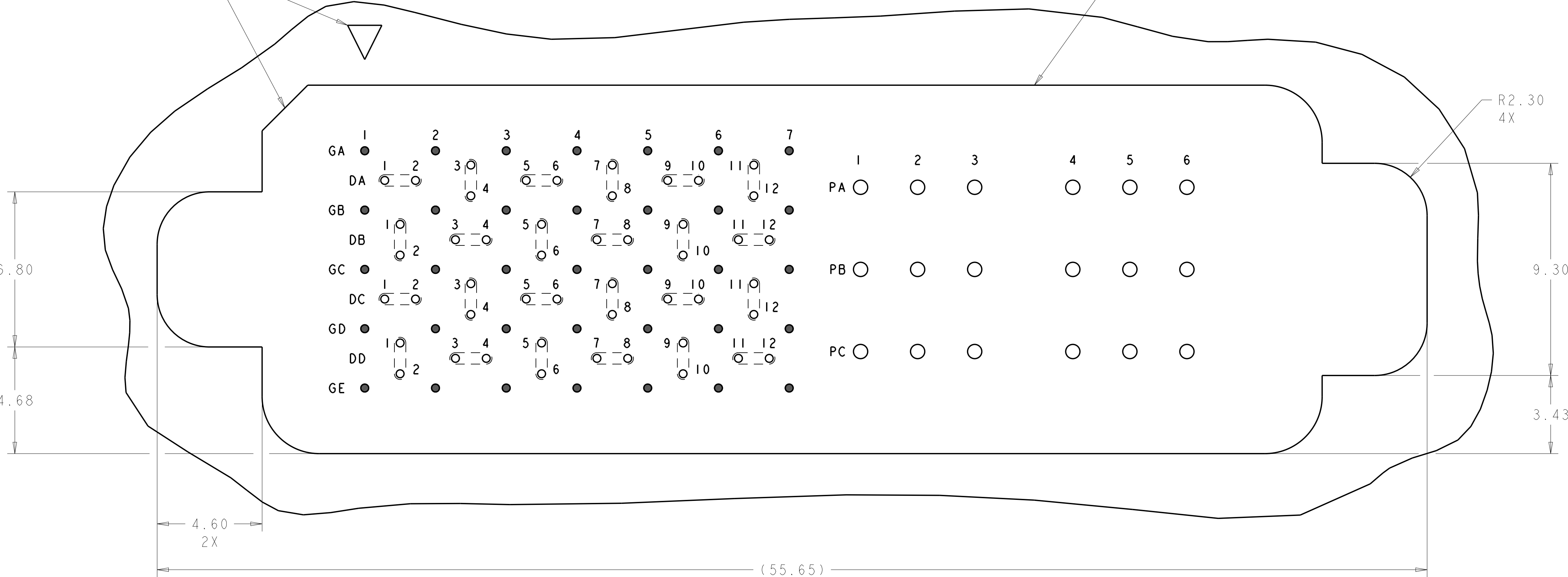
HEADER ASSEMBLY, HALF-WIDE, 24/83/6P, STRADA MESA MEZZANINE CONNECTOR

SCALE 6:1 SHEET 2 OF 4 REV A

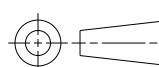
REVISIONS					
P.	LTR.	DESCRIPTION	DATE	DWN.	APVD.
-	-	SEE SHEET 1	-	-	-

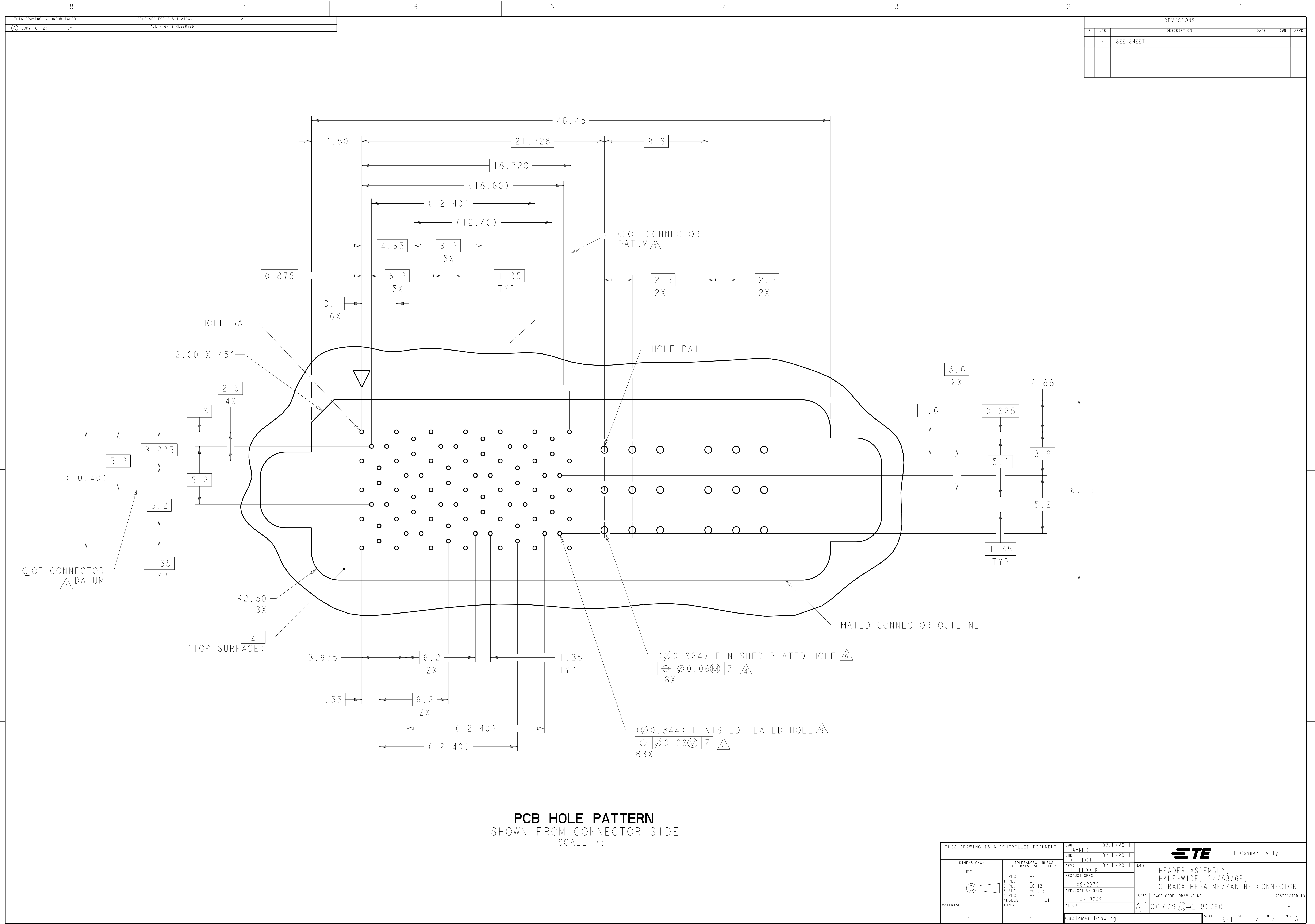
AI CORNER INDICATORS

MATED CONNECTOR OUTLINE
SEE SHEET 4 FOR LOCATION
TO HOLES



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

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DIMENSIONS:		CHK D. TROUT 07JUN2011		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD EFODER 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	SIZE CAGE CODE DRAWING NO	
	3 PLC ±0.013	114-13249	A100779C=2180760	
	4 PLC ±"	WEIGHT	RESTRICTED TO	
	ANGLES ±1	-	-	
MATERIAL	FINISH	Customer Drawing	SCALE 6:1 SHEET 3 OF 4 REV A	
-	-			
-	-			



REVISIONS					
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-	-	SEE SHEET 1	-	-	-

PCB HOLE PATTERN
SHOWN FROM CONNECTOR SIDE
SCALE 7:1

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DIMENSIONS:		CHK D. TROUT 07JUN2011			
mm		APVD EFDDER 07JUN2011	NAME	HEADER ASSEMBLY, HALF-WIDE, 24/83/6P, STRADA MESA MEZZANINE CONNECTOR	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC			
0 PLC ±"		108-2375	SIZE CAGE CODE DRAWING NO	RESTRICTED TO	
1 PLC ±.13		APPLICATION SPEC			
2 PLC ±.013		114-13249			
3 PLC ±"		WEIGHT			
4 PLC ±"		Customer Drawing			
ANGLES			SCALE 6:1 SHEET 4 OF 4 REV A		
FINISH			A100779C=2180760		
MATERIAL					
-	-	-			