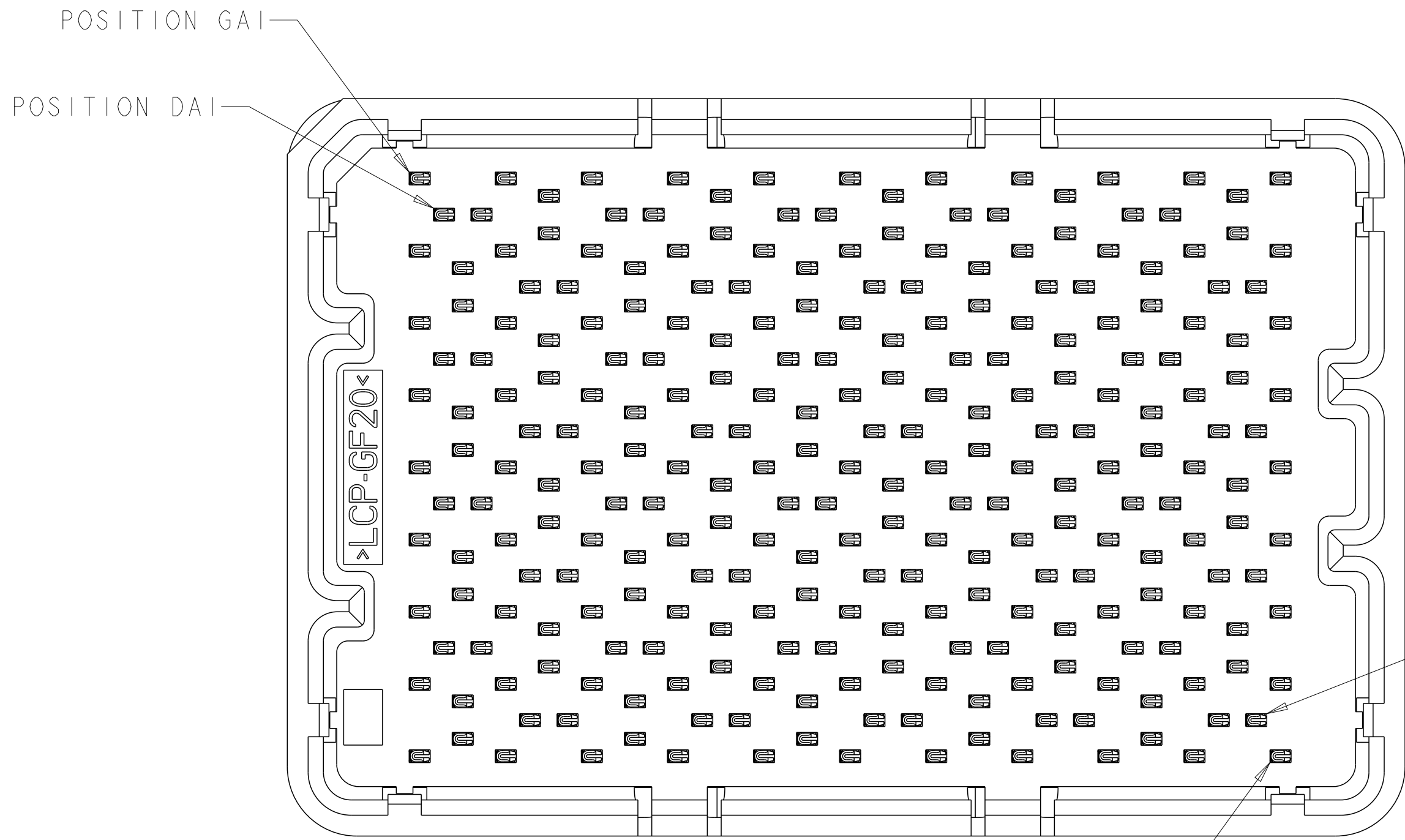




POSITION GJII

UPPER HOUSING

SPACER

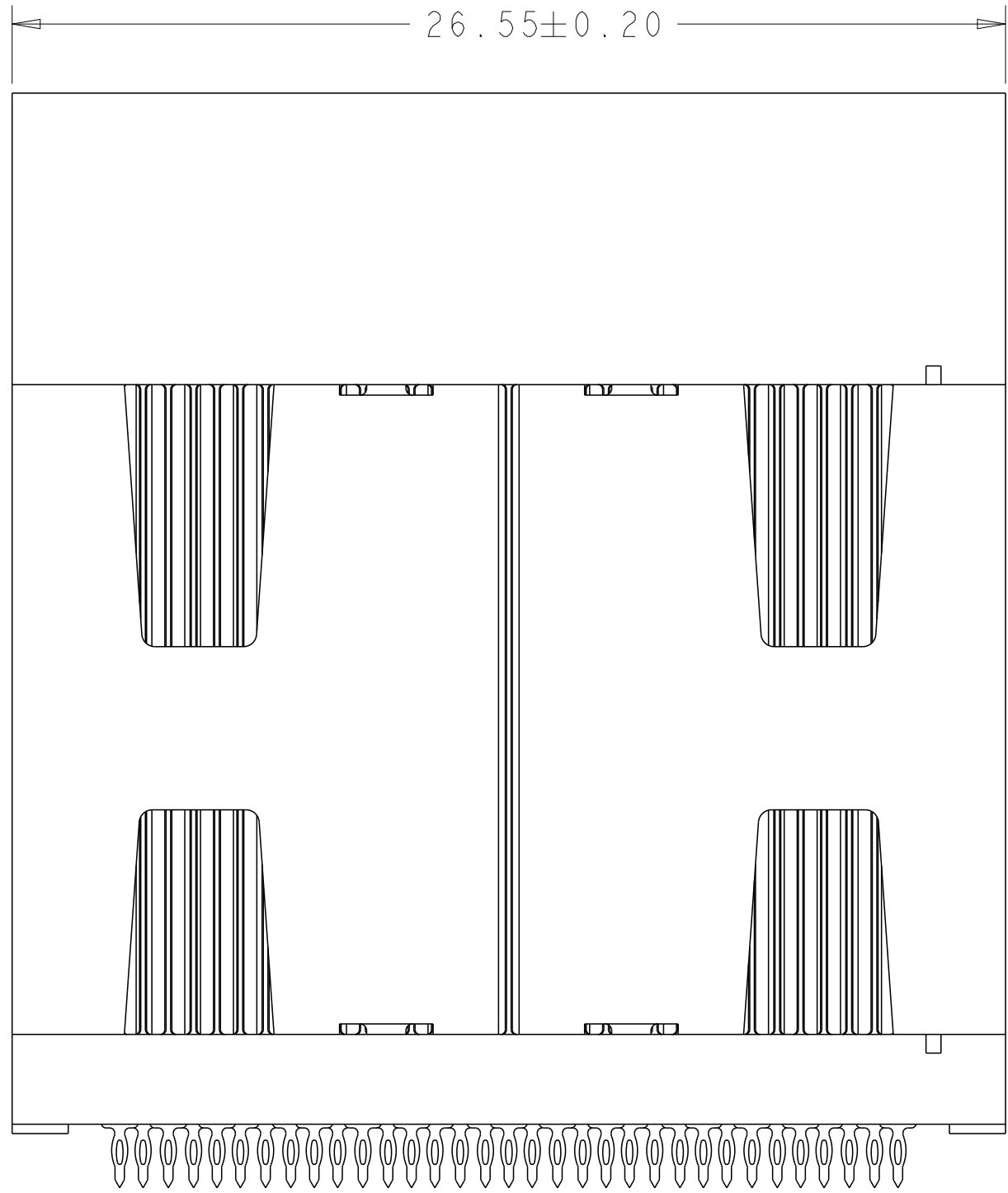
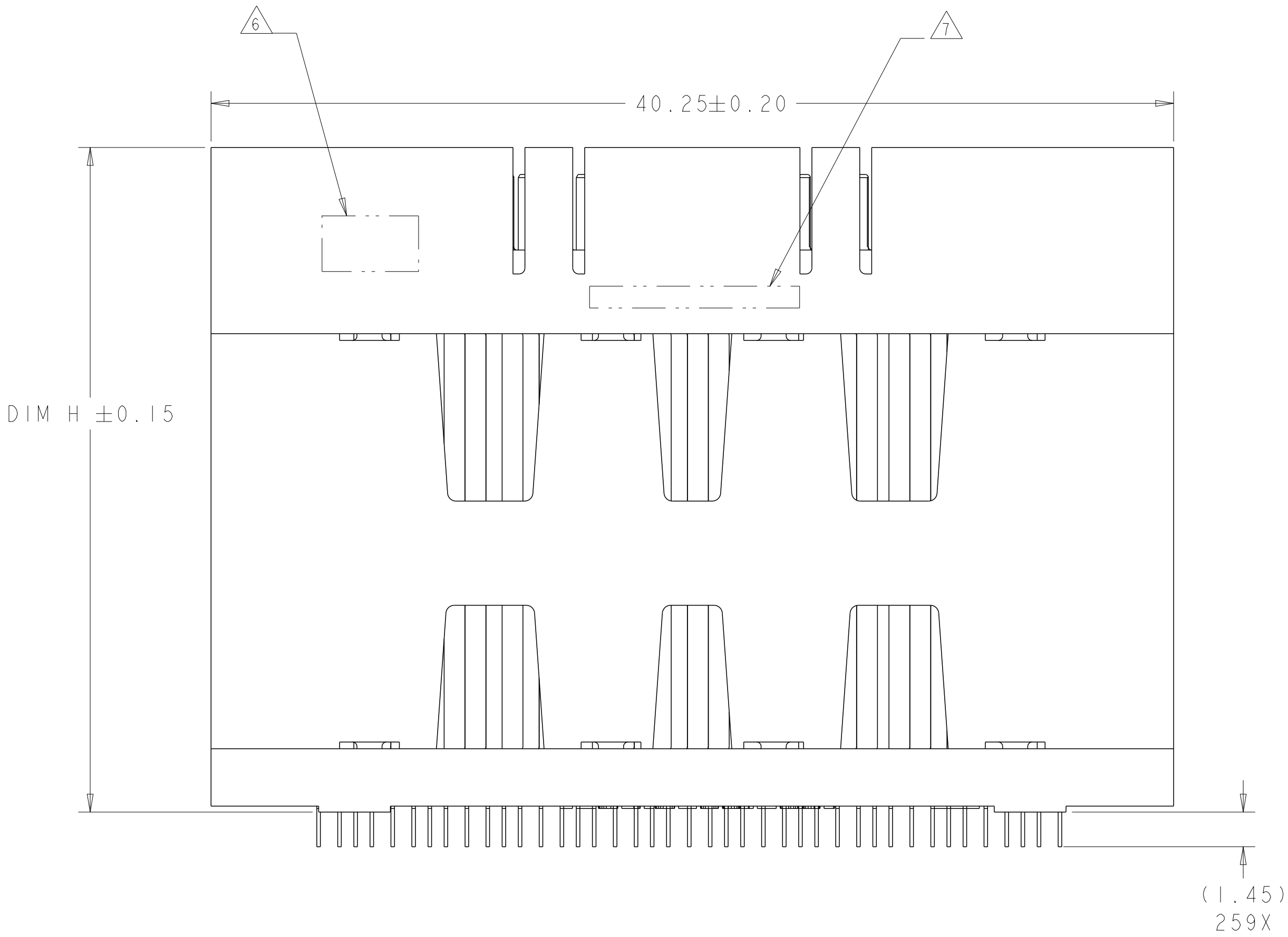
BASE HOUSING

POSITION DH20

HOUSING

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

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



- 1

MATERIAL:
BASE HOUSING, UPPER HOUSING, ORGANIZER,
AND SPACER: THERMOPLASTIC, FLAMMABILITY
RATING UL94-V0
CONTACT: COPPER ALLOY
- 2

CONTACT PLATING: 0.076µm MIN GOLD OVER 0.69µm
MIN PALLADIUM NICKEL, OVER 2.54-5.08µm NICKEL
ON MATING AREA. 0.50-2.54µm 93/7 TIN-LEAD,
OVER 1.27-5.08µm NICKEL ON TAIL AREA.
PORE BLOCKER APPLIED TO MATING AREA.
- 3

CONTACT PLATING: 0.076µm MIN GOLD OVER 0.69µm
MIN PALLADIUM NICKEL, OVER 2.54-5.08µm NICKEL
ON MATING AREA. 0.50-2.54µm MATTE TIN,
OVER 1.27-5.08µm NICKEL ON TAIL AREA.
PORE BLOCKER APPLIED TO MATING AREA.
- 4

ROWS GA THRU GJ (SHOWN DARKENED) ARE TYPICALLY
USED AS GROUNDS.
- 5

SPECIFIED POSITIONAL TOLERANCE DEFINES HOLE TO
HOLE LOCATION WITHIN HOLE PATTERN. POSITIONAL
TOLERANCE OF HOLE PATTERN TO FIDUCIAL MARKS
OR PCB DATUMS SHALL BE DEFINED BY CUSTOMER.
- 6

AREA RESERVED FOR TE CONNECTIVITY LOGO.
- 7

AREA RESERVED FOR PART NUMBER (X-XXXXXX-X)
AND DATE CODE (YYWW).
- 8

USE CENTERLINES INDICATED ON PCB HOLE PATTERN
TO ESTABLISH ALIGNMENT BETWEEN HEADER AND
RECEPTACLE BOARDS.
- 9

PLATED THROUGH HOLE REQUIREMENTS:
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.
- 10

CONTACT SALES FOR AVAILABILITY OF THIS STACK
HEIGHT.

SIZE 2 HOUSING *
80 DIFFERENTIAL PAIRS
259 TOTAL SIGNAL CONTACTS

* SIZE 1 AND SIZE 3 ARE ALSO AVAILABLE

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN D. RINGLER 29AUG2008		 TE Connectivity		
		CHK D. TROUT 29AUG2008				
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	HEADER ASSEMBLY 80/259 SIGNAL STRADA MESA MEZZANINE CONNECTOR	
mm						
		0 PLC ±: 1 PLC ±: 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±: ANGLES ±: ±1				
MATERIAL		FINISH		WEIGHT		RESTRICTED TO
				Customer Drawing		
				SCALE 6:1		SHEET 1 OF 4
				REV A		

LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			-	SEE SHEET 1	-	-	-

		41.8	42mm	MATTE Sn	9-2057360-2
		40.8	41mm	MATTE Sn	9-2057360-1
	YES	39.8	40mm	MATTE Sn	9-2057360-0
		38.8	39mm	MATTE Sn	8-2057360-9
		37.8	38mm	MATTE Sn	8-2057360-8
		36.8	37mm	MATTE Sn	8-2057360-7
		35.8	36mm	MATTE Sn	8-2057360-6
		34.8	35mm	MATTE Sn	8-2057360-5
		33.8	34mm	MATTE Sn	8-2057360-4
		32.8	33mm	MATTE Sn	8-2057360-3
		31.8	32mm	MATTE Sn	8-2057360-2
		30.8	31mm	MATTE Sn	8-2057360-1
		29.8	30mm	MATTE Sn	8-2057360-0
		28.8	29mm	MATTE Sn	7-2057360-9
	YES	27.8	28mm	MATTE Sn	7-2057360-8
		26.8	27mm	MATTE Sn	7-2057360-7
		25.8	26mm	MATTE Sn	7-2057360-6
		24.8	25mm	MATTE Sn	7-2057360-5
		23.8	24mm	MATTE Sn	7-2057360-4
	YES	22.8	23mm	MATTE Sn	7-2057360-3
		21.8	22mm	MATTE Sn	7-2057360-2
		20.8	21mm	MATTE Sn	7-2057360-1
		19.8	20mm	MATTE Sn	7-2057360-0
		18.8	19mm	MATTE Sn	6-2057360-9
		17.8	18mm	MATTE Sn	6-2057360-8
		16.8	17mm	MATTE Sn	6-2057360-7
		15.8	16mm	MATTE Sn	6-2057360-6
		14.8	15mm	MATTE Sn	6-2057360-5
		13.8	14mm	MATTE Sn	6-2057360-4
		12.8	13mm	MATTE Sn	6-2057360-3
		11.8	12mm	MATTE Sn	6-2057360-2
		10.8	11mm	MATTE Sn	6-2057360-1
		9.8	10mm	MATTE Sn	6-2057360-0
	YES	8.8	9mm	MATTE Sn	5-2057360-9
		7.8	8mm	MATTE Sn	5-2057360-8
FINISH	TOOLED	DIM H	STACK HEIGHT	CONTACT TAIL PLATING	PART NUMBER

		41.8	42mm	Sn/Pb	4-2057360-2
		40.8	41mm	Sn/Pb	4-2057360-1
	YES	39.8	40mm	Sn/Pb	4-2057360-0
		38.8	39mm	Sn/Pb	3-2057360-9
		37.8	38mm	Sn/Pb	3-2057360-8
		36.8	37mm	Sn/Pb	3-2057360-7
		35.8	36mm	Sn/Pb	3-2057360-6
		34.8	35mm	Sn/Pb	3-2057360-5
		33.8	34mm	Sn/Pb	3-2057360-4
		32.8	33mm	Sn/Pb	3-2057360-3
		31.8	32mm	Sn/Pb	3-2057360-2
		30.8	31mm	Sn/Pb	3-2057360-1
		29.8	30mm	Sn/Pb	3-2057360-0
		28.8	29mm	Sn/Pb	2-2057360-9
	YES	27.8	28mm	Sn/Pb	2-2057360-8
		26.8	27mm	Sn/Pb	2-2057360-7
		25.8	26mm	Sn/Pb	2-2057360-6
		24.8	25mm	Sn/Pb	2-2057360-5
		23.8	24mm	Sn/Pb	2-2057360-4
	YES	22.8	23mm	Sn/Pb	2-2057360-3
		21.8	22mm	Sn/Pb	2-2057360-2
		20.8	21mm	Sn/Pb	2-2057360-1
		19.8	20mm	Sn/Pb	2-2057360-0
		18.8	19mm	Sn/Pb	1-2057360-9
		17.8	18mm	Sn/Pb	1-2057360-8
		16.8	17mm	Sn/Pb	1-2057360-7
		15.8	16mm	Sn/Pb	1-2057360-6
		14.8	15mm	Sn/Pb	1-2057360-5
		13.8	14mm	Sn/Pb	1-2057360-4
		12.8	13mm	Sn/Pb	1-2057360-3
		11.8	12mm	Sn/Pb	1-2057360-2
		10.8	11mm	Sn/Pb	1-2057360-1
		9.8	10mm	Sn/Pb	1-2057360-0
	YES	8.8	9mm	Sn/Pb	2057360-9
		7.8	8mm	Sn/Pb	2057360-8
FINISH	TOOLED	DIM H	STACK HEIGHT	CONTACT TAIL PLATING	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

0 PLC ±"

1 PLC ±.13

2 PLC ±.013

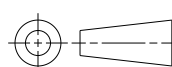
3 PLC ±"

4 PLC ±"

ANGLES ±1

FINISH -

mm



MATERIAL -

-

CHK D. RINGLER 29AUG2008

CHK D. TROUT 29AUG2008

APVD J. FEDDER 29AUG2008

PRODUCT SPEC

108-2375

APPLICATION SPEC

114-13249

WEIGHT -

Customer Drawing

NAME

TE Connectivity

HEADER ASSEMBLY

80/259 SIGNAL

STRADA MESA MEZZANINE CONNECTOR

SIZE A1

CAGE CODE 00779

DRAWING NO 2057360

RESTRICTED TO -

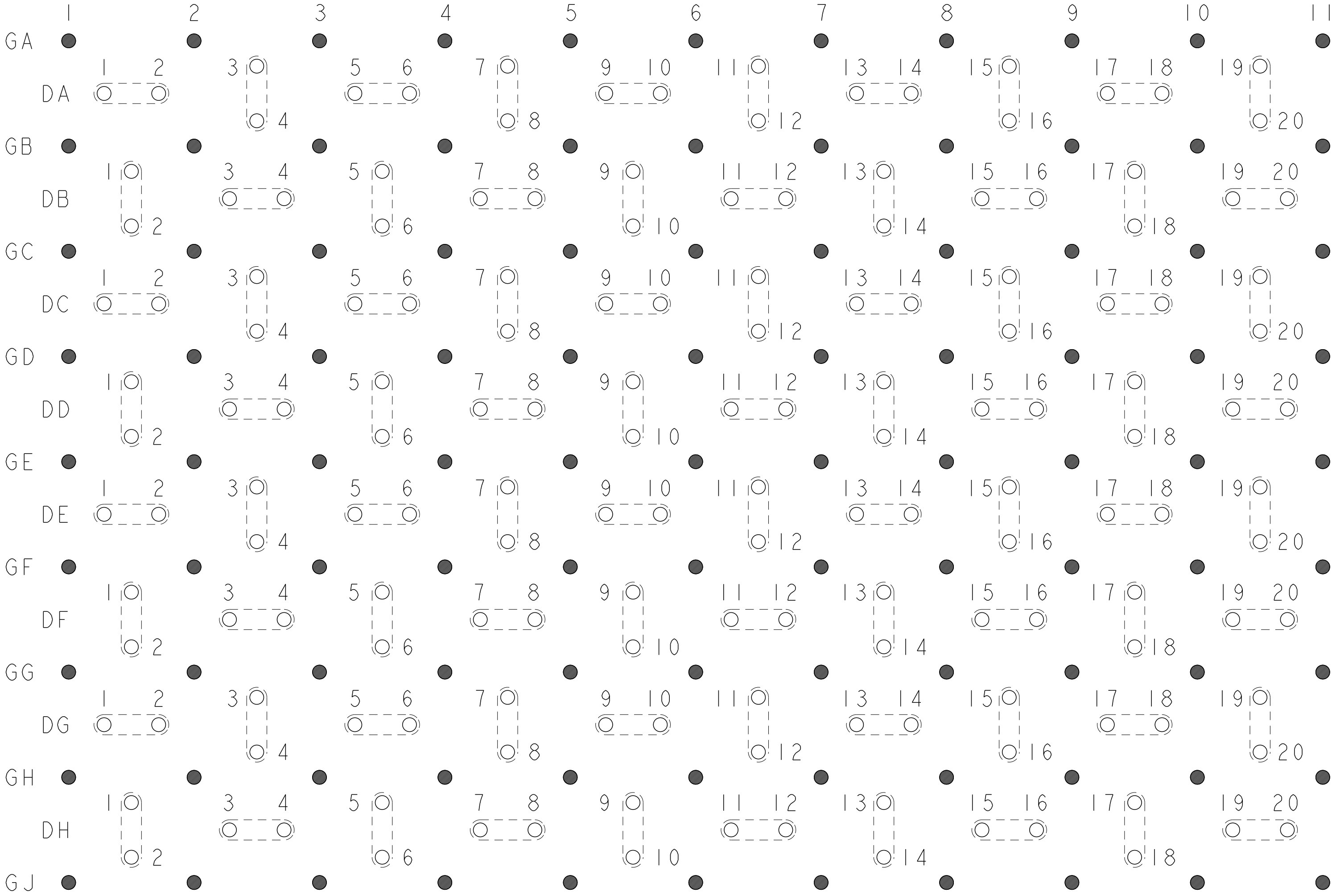
SCALE 6:1

SHEET 2 OF 4

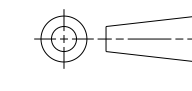
REV A

LOC		DIST		REVISIONS						
GP	00	P	LTR	DESCRIPTION				DATE	DWN	APVD
		-		SEE SHEET 1				-	-	-

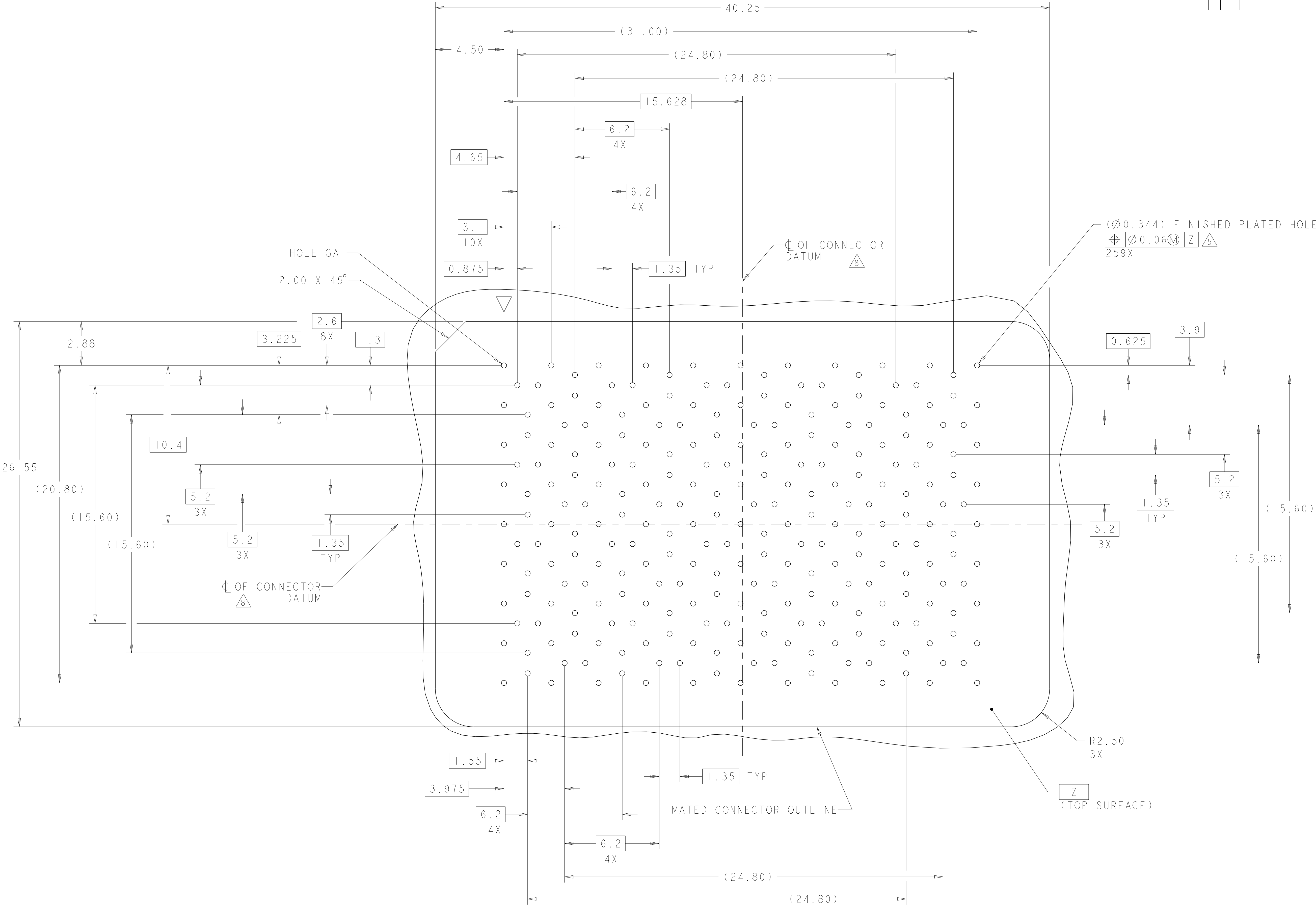
A1 CORNER INDICATORS.



PCB LAYOUT AND PIN IDENTIFICATION 
SHOWN FROM CONNECTOR SIDE
SCALE 12:1

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	D. RINGLER		29AUG2008		 TE Connectivity					
				CHK	D. TROUT		29AUG2008							
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	J. FEDDER		29AUG2008		NAME		HEADER ASSEMBLY 80/259 SIGNAL STRADA MESA MEZZANINE CONNECTOR			
mm				PRODUCT SPEC										
		0 PLC ±"		108-2375		SIZE				RESTRICTED TO				
		1 PLC ±"		APPLICATION SPEC										
		2 PLC ±0.13		114-13249										
		3 PLC ±0.013												
		4 PLC ±"		WEIGHT		A100779				C=2057360				
		ANGLES		Customer Drawing						SCALE				
		FINISH								6:1				
MATERIAL										SHEET				
										3				
										OF				
										4				
										REV				
										A				

LOC		DIST		REVISIONS					
GP		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
				-	-	SEE SHEET 1	-	-	-



PCB HOLE PATTERN
SHOWN FROM CONNECTOR SIDE
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
D. RINGLER

CHK
D. TROUT

APVD
J. FEDDER

29AUG2008

29AUG2008

29AUG2008

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

APPLICATION SPEC

WEIGHT

Customer Drawing

NAME

SIZE

CAGE CODE

DRAWING NO

SCALE

6:1

HEADER ASSEMBLY

80/259 SIGNAL

STRADA MESA MEZZANINE CONNECTOR

A100779

C=2057360

SHEET 4 OF 4

REV A

TE Connectivity

RESTRICTED TO

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