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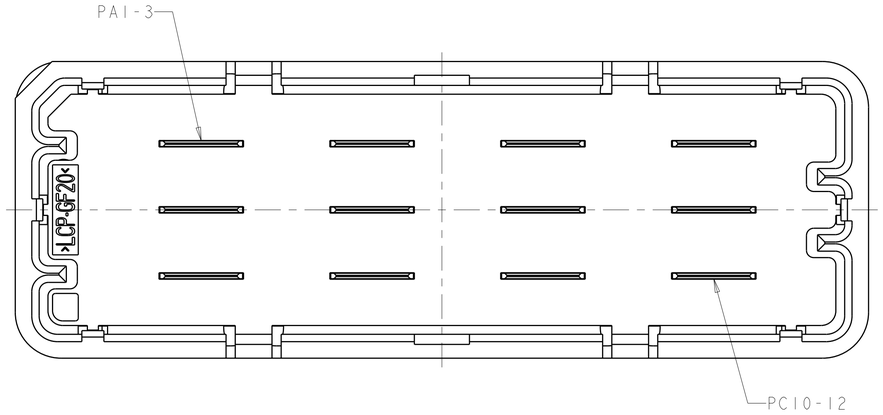
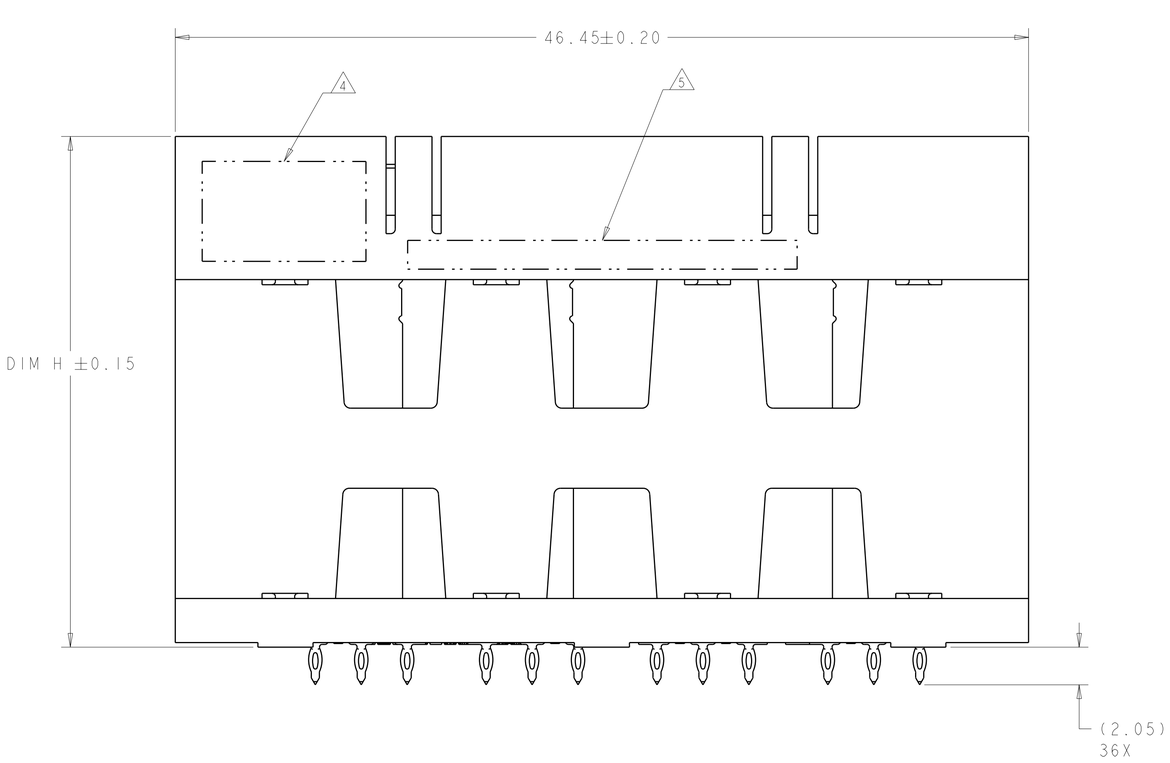
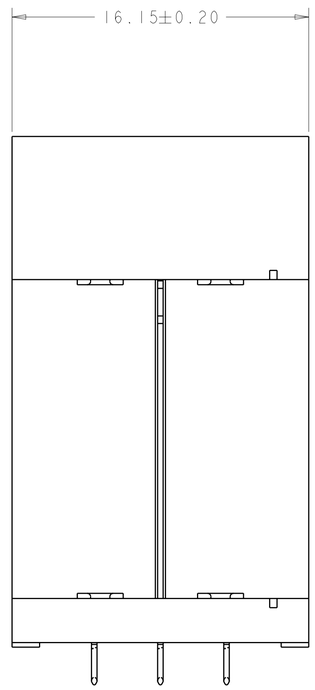
LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	2	REVISED	13DEC2010	WS	MH
	3	REVISED	14MAY2012	REH	DT







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. 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.

4. AREA RESERVED FOR TE CONNECTIVITY LOGO.

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

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

7. PLATED THROUGH HOLE REQUIREMENTS:
   HOLE SIZE PRIOR TO PLATING = Ø0.700±0.025
   COPPER PLATING THICKNESS = 0.038±0.013
   CALCULATED FINISHED HOLE SIZE = Ø0.624±0.051
   THESE DIMENSIONS APPLY TO THE TOP 1.50mm OF THE PCB THICKNESS FROM THE CONNECTOR MOUNTING SIDE.

8. CONTACT SALES FOR AVAILABILITY OF THIS STACK HEIGHT.

SIZE 2 HALF-WIDE *
12 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.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±0.13
3 PLC ±0.013
4 PLC ±-
ANGLES ±1

MATERIAL - - 1
FINISH - -

DWN HAMNER 26OCT2010
CHK D. TROUT 27OCT2010
APVD J. FEDDER 27OCT2010
PRODUCT SPEC 108-2375
APPLICATION SPEC 114-13249
WEIGHT -

TE Connectivity

NAME HEADER ASSEMBLY, HALF-WIDE, 12P, STRADA MESA MEZZANINE CONNECTOR

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2149530	-

CUSTOMER DRAWING | SCALE 6:1 | SHEET 1 OF 4 | REV 3

4805 (3/11)
Pro/ENGINEER DRAWING

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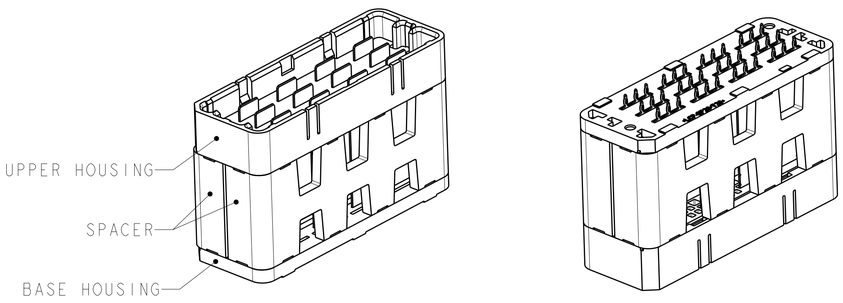
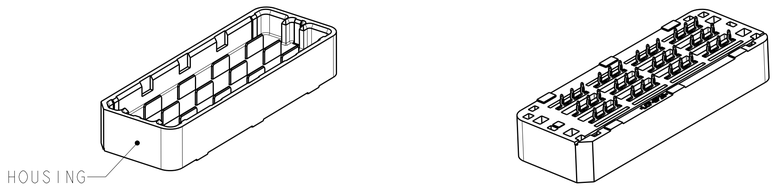
REVISIONS

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

TOOLED	DIM H	STACK HEIGHT	CONTACT TAIL PLATING	PART NUMBER
(8)	41.8	42mm	MATTE Sn	9-2149530-2
(8)	40.8	41mm	MATTE Sn	9-2149530-1
(8)	39.8	40mm	MATTE Sn	9-2149530-0
(8)	38.8	39mm	MATTE Sn	8-2149530-9
(8)	37.8	38mm	MATTE Sn	8-2149530-8
YES	36.8	37mm	MATTE Sn	8-2149530-7
(8)	35.8	36mm	MATTE Sn	8-2149530-6
(8)	34.8	35mm	MATTE Sn	8-2149530-5
(8)	33.8	34mm	MATTE Sn	8-2149530-4
(8)	32.8	33mm	MATTE Sn	8-2149530-3
(8)	31.8	32mm	MATTE Sn	8-2149530-2
(8)	30.8	31mm	MATTE Sn	8-2149530-1
(8)	29.8	30mm	MATTE Sn	8-2149530-0
(8)	28.8	29mm	MATTE Sn	7-2149530-9
(8)	27.8	28mm	MATTE Sn	7-2149530-8
(8)	26.8	27mm	MATTE Sn	7-2149530-7
(8)	25.8	26mm	MATTE Sn	7-2149530-6
(8)	24.8	25mm	MATTE Sn	7-2149530-5
(8)	23.8	24mm	MATTE Sn	7-2149530-4
(8)	22.8	23mm	MATTE Sn	7-2149530-3
YES	21.8	22mm	MATTE Sn	7-2149530-2
(8)	20.8	21mm	MATTE Sn	7-2149530-1
(8)	19.8	20mm	MATTE Sn	7-2149530-0
(8)	18.8	19mm	MATTE Sn	6-2149530-9
(8)	17.8	18mm	MATTE Sn	6-2149530-8
(8)	16.8	17mm	MATTE Sn	6-2149530-7
(8)	15.8	16mm	MATTE Sn	6-2149530-6
(8)	14.8	15mm	MATTE Sn	6-2149530-5
(8)	13.8	14mm	MATTE Sn	6-2149530-4
(8)	12.8	13mm	MATTE Sn	6-2149530-3
(8)	11.8	12mm	MATTE Sn	6-2149530-2
(8)	10.8	11mm	MATTE Sn	6-2149530-1
(8)	9.8	10mm	MATTE Sn	6-2149530-0
(8)	8.8	9mm	MATTE Sn	5-2149530-9
(8)	7.8	8mm	MATTE Sn	5-2149530-8

TOOLED	DIM H	STACK HEIGHT	CONTACT TAIL PLATING	PART NUMBER
(8)	41.8	42mm	Sn/Pb	4-2149530-2
(8)	40.8	41mm	Sn/Pb	4-2149530-1
(8)	39.8	40mm	Sn/Pb	4-2149530-0
(8)	38.8	39mm	Sn/Pb	3-2149530-9
(8)	37.8	38mm	Sn/Pb	3-2149530-8
YES	36.8	37mm	Sn/Pb	3-2149530-7
(8)	35.8	36mm	Sn/Pb	3-2149530-6
(8)	34.8	35mm	Sn/Pb	3-2149530-5
(8)	33.8	34mm	Sn/Pb	3-2149530-4
(8)	32.8	33mm	Sn/Pb	3-2149530-3
(8)	31.8	32mm	Sn/Pb	3-2149530-2
(8)	30.8	31mm	Sn/Pb	3-2149530-1
(8)	29.8	30mm	Sn/Pb	3-2149530-0
(8)	28.8	29mm	Sn/Pb	2-2149530-9
(8)	27.8	28mm	Sn/Pb	2-2149530-8
(8)	26.8	27mm	Sn/Pb	2-2149530-7
(8)	25.8	26mm	Sn/Pb	2-2149530-6
(8)	24.8	25mm	Sn/Pb	2-2149530-5
(8)	23.8	24mm	Sn/Pb	2-2149530-4
(8)	22.8	23mm	Sn/Pb	2-2149530-3
YES	21.8	22mm	Sn/Pb	2-2149530-2
(8)	20.8	21mm	Sn/Pb	2-2149530-1
(8)	19.8	20mm	Sn/Pb	2-2149530-0
(8)	18.8	19mm	Sn/Pb	1-2149530-9
(8)	17.8	18mm	Sn/Pb	1-2149530-8
(8)	16.8	17mm	Sn/Pb	1-2149530-7
(8)	15.8	16mm	Sn/Pb	1-2149530-6
(8)	14.8	15mm	Sn/Pb	1-2149530-5
(8)	13.8	14mm	Sn/Pb	1-2149530-4
(8)	12.8	13mm	Sn/Pb	1-2149530-3
(8)	11.8	12mm	Sn/Pb	1-2149530-2
(8)	10.8	11mm	Sn/Pb	1-2149530-1
(8)	9.8	10mm	Sn/Pb	1-2149530-0
(8)	8.8	9mm	Sn/Pb	2149530-9
(8)	7.8	8mm	Sn/Pb	2149530-8

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±0.13
3 PLC ±0.013
4 PLC ±-
ANGLES ±-

MATERIAL -
FINISH -

DWN J HAMNER 26OCT2010
CHK D TROUT 27OCT2010
APVD J FEDDER 27OCT2010

TE Connectivity

NAME HEADER ASSEMBLY, HALF-WIDE, 12P, STRADA MESA MEZZANINE CONNECTOR

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2149530	-

CUSTOMER DRAWING SCALE 6:1 SHEET 2 OF 4 REV 3

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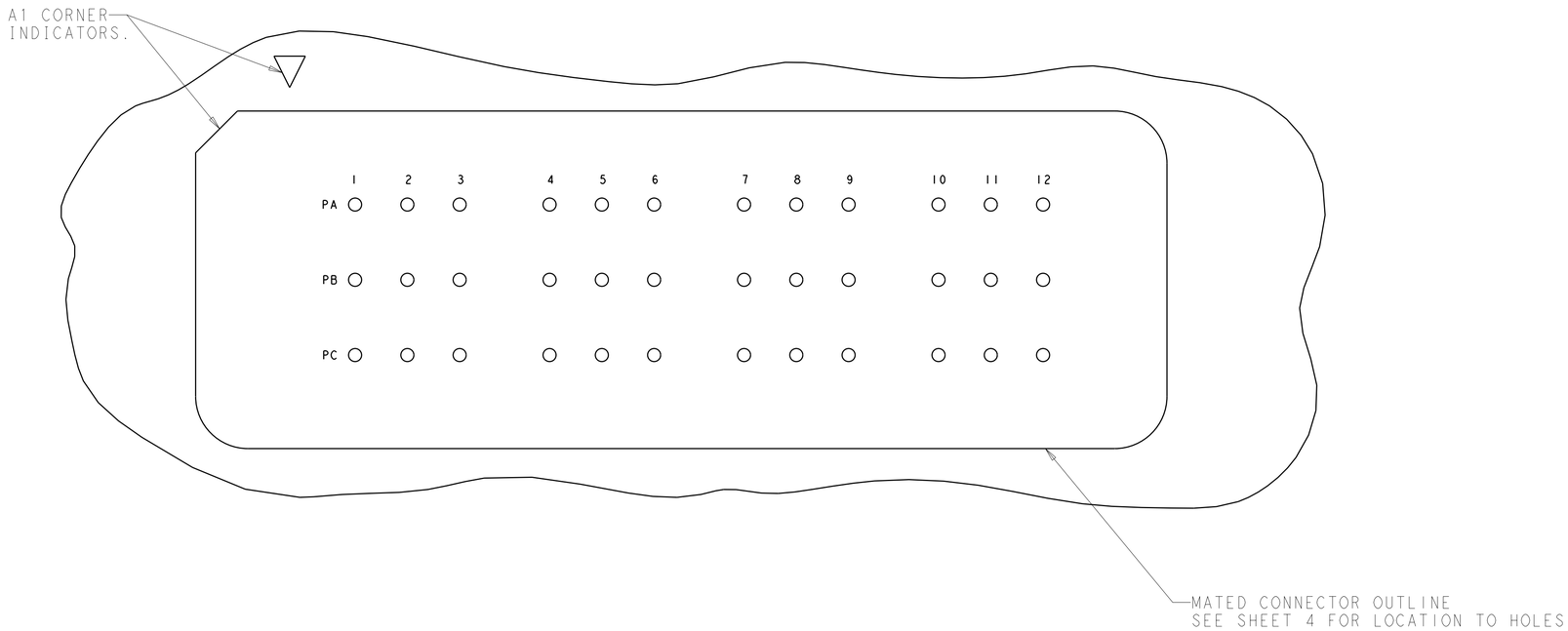
LOC	DIST
GP	00

REVISIONS

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



PCB LAYOUT AND PIN IDENTIFICATION

SHOWN FROM CONNECTOR SIDE
SCALE 7:1

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±0.13
3 PLC ±0.013
4 PLC ±-
ANGLES ±1

MATERIAL - -
FINISH - -

DWN HAMNER 26OCT2010
CHK D. TROUT 27OCT2010
APVD J. FEDDER 27OCT2010
PRODUCT SPEC 108-2375
APPLICATION SPEC 114-13249
WEIGHT -

TE Connectivity

NAME HEADER ASSEMBLY, HALF-WIDE, 12P, STRADA MESA MEZZANINE CONNECTOR

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2149530	-

CUSTOMER DRAWING | SCALE 6:1 | SHEET 3 OF 4 | REV 3

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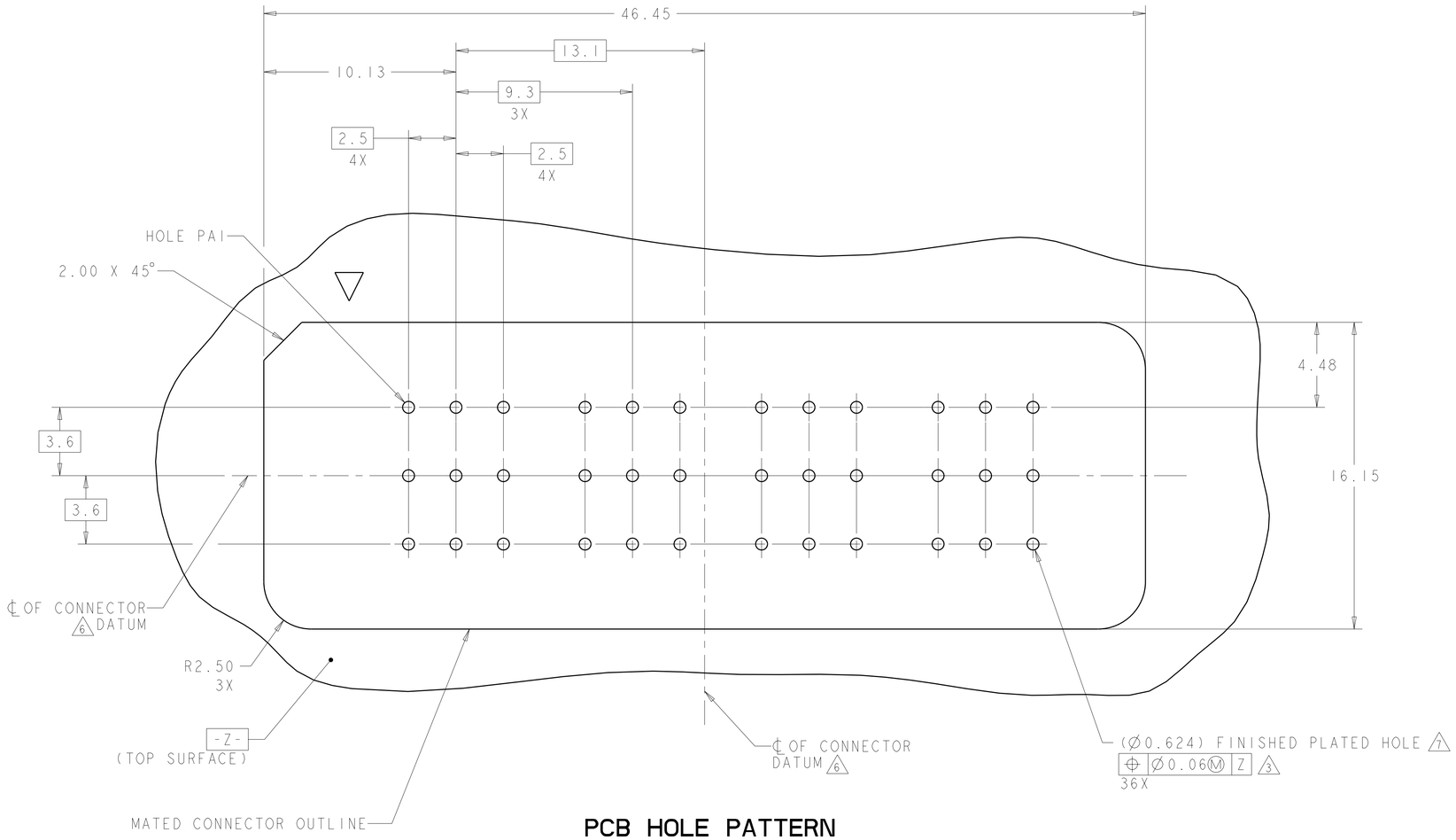
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



PCB HOLE PATTERN

SHOWN FROM CONNECTOR SIDE
SCALE 7:1

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN J HAMNER 26OCT2010	TE Connectivity	
	CHK D TROUT 27OCT2010		
DIMENSIONS: mm	APVD J FEDDER 27OCT2010	NAME HEADER ASSEMBLY, HALF-WIDE, 12P, STRADA MESA MEZZANINE CONNECTOR	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±- ANGLES ±1	PRODUCT SPEC 108-2375		
	APPLICATION SPEC 114-13249	SIZE A1 / CAGE CODE 00779 / DRAWING NO C-2149530	RESTRICTED TO -
MATERIAL - -	WEIGHT -		
FINISH - -	CUSTOMER DRAWING	SCALE 6:1 / SHEET 4 OF 4	REV 3