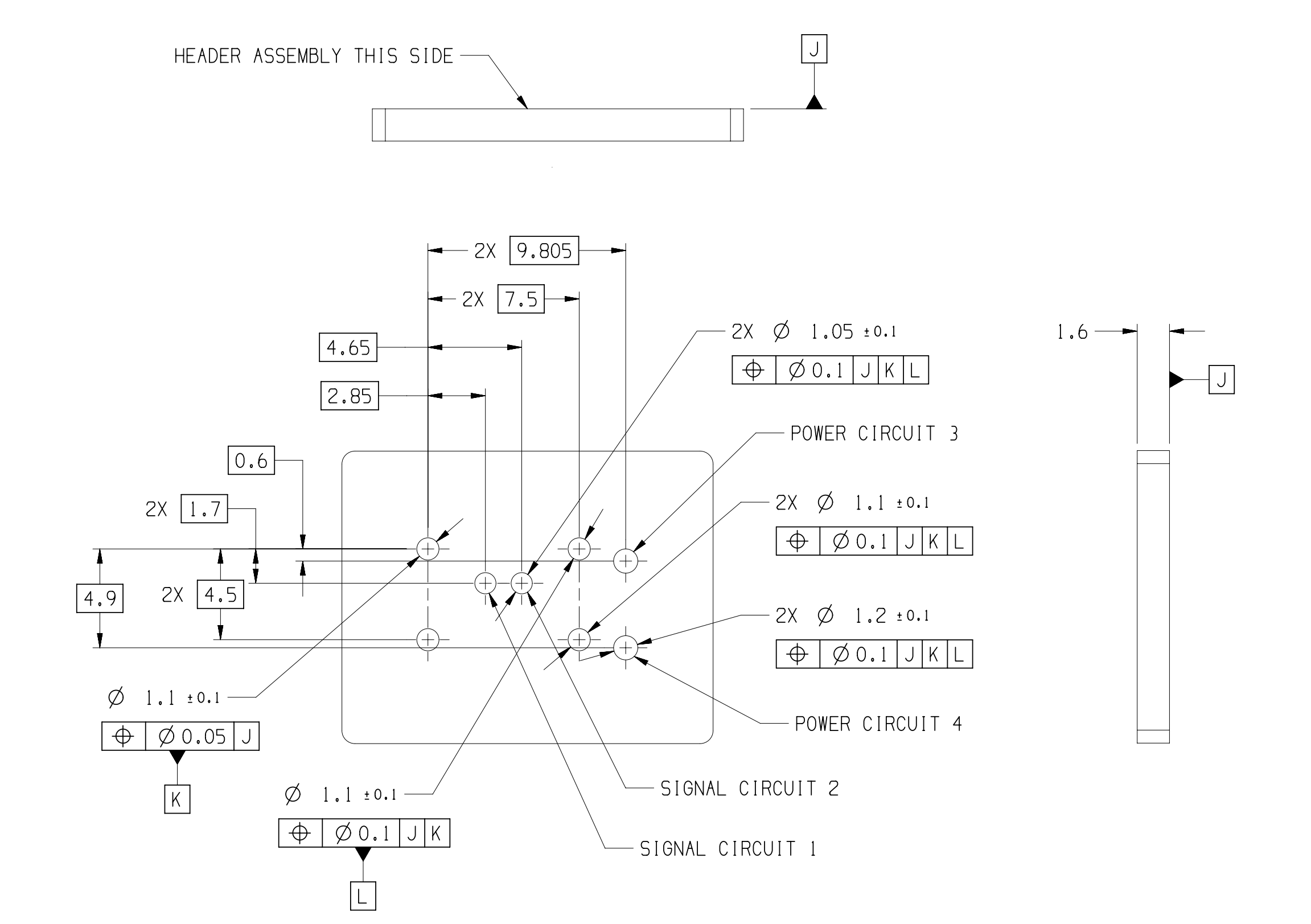
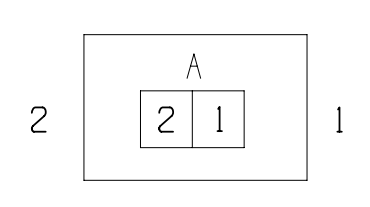

HEADER ASSEMBLY THIS SIDE
J
2X 9.805
2X 7.5
4.65
2.85
0.6
2X 1.7
4.9
2X 4.5
2X Ø 1.05 ±0.1
⊕ Ø0.1 J K L
POWER CIRCUIT 3
2X Ø 1.1 ±0.1
⊕ Ø0.1 J K L
2X Ø 1.2 ±0.1
⊕ Ø0.1 J K L
POWER CIRCUIT 4
Ø 1.1 ±0.1
⊕ Ø0.05 J
K
Ø 1.1 ±0.1
⊕ Ø0.1 J K
L
SIGNAL CIRCUIT 2
SIGNAL CIRCUIT 1
1.6
J

PCB HOLE LAYOUT

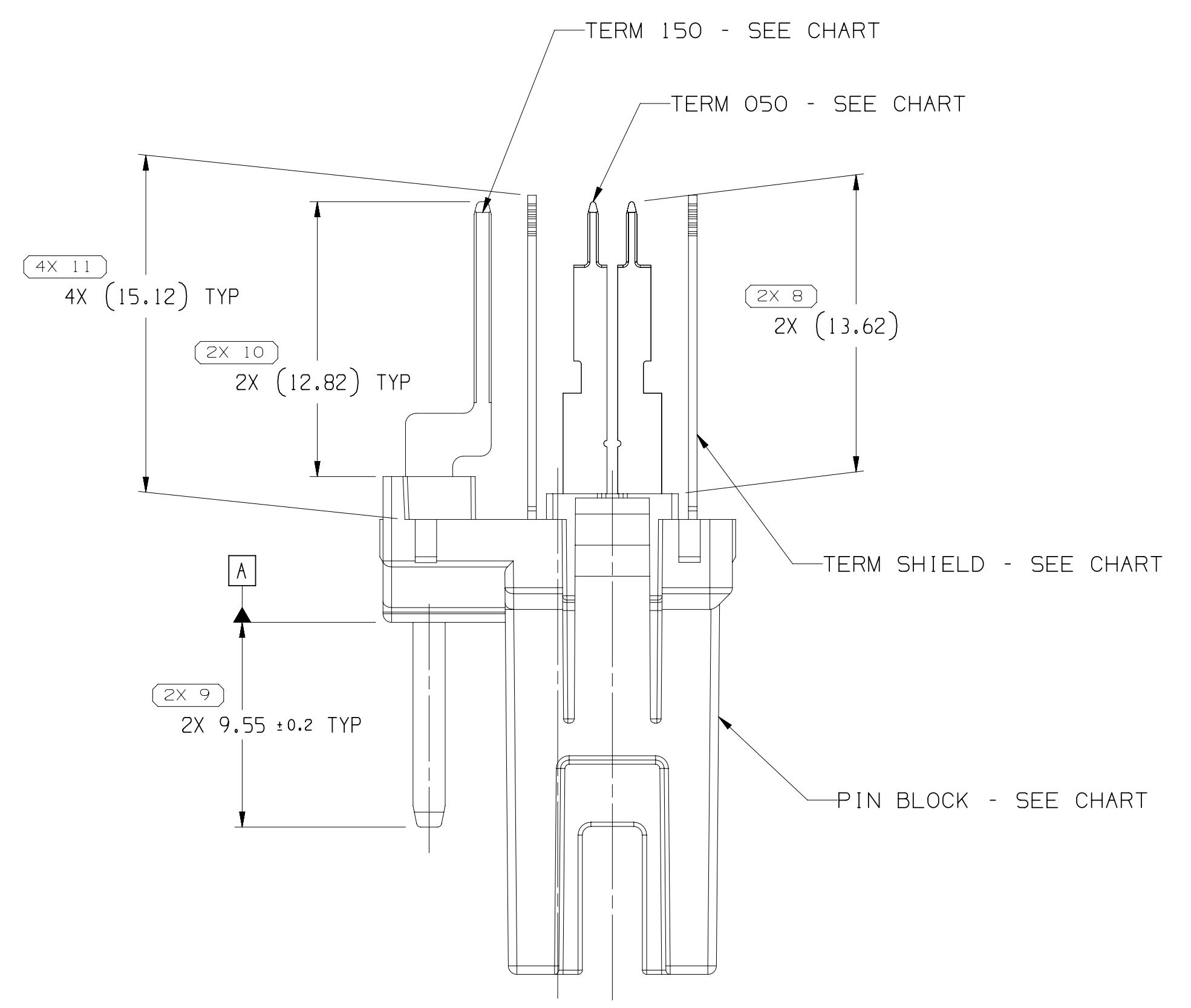
AMEC PORT INFORMATION:

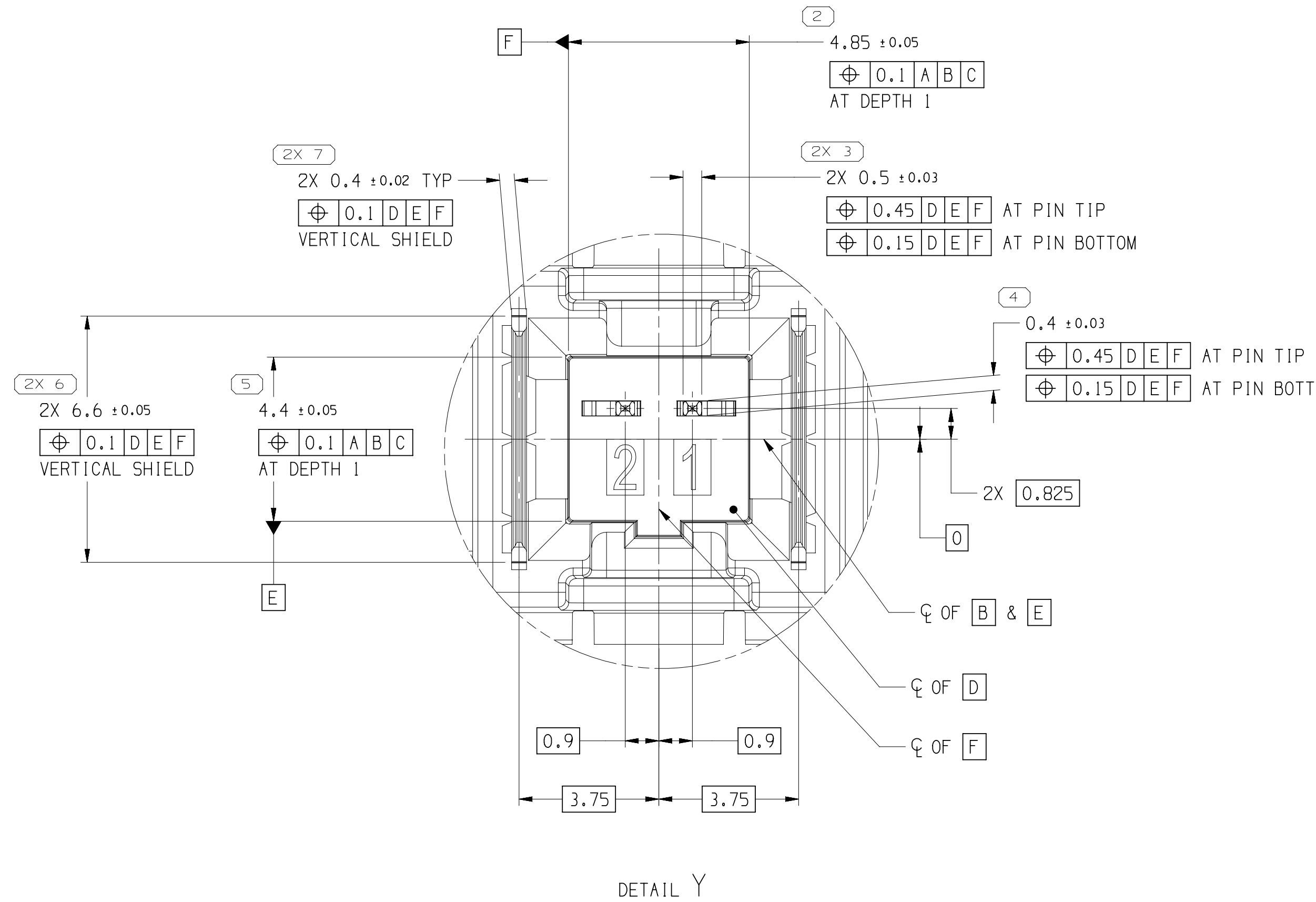
HEADER ASSEMBLY FRONT VIEW:



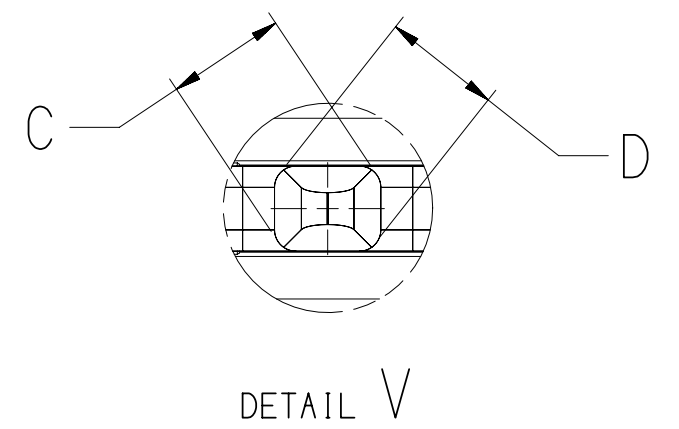
CAVITY NUMBER	AMEC NUMBER	AMEC POLARITY
1	A1	WHITE
2	A2	GREEN

* GRAPHICS FOR ILLUSTRATIVE PURPOSE ONLY.
  REFER ONLY CAVITY NUMBERS AND AMEC POLARITY.

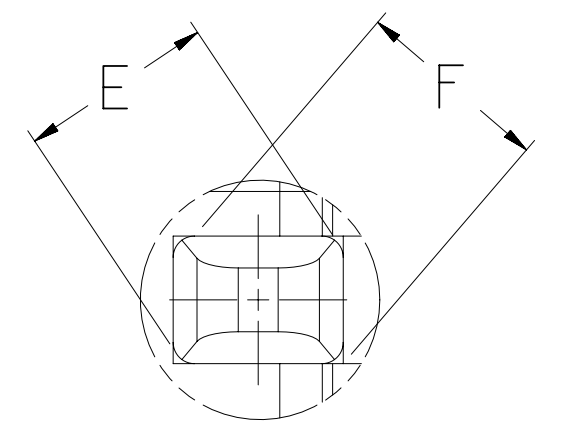

TERM 150 - SEE CHART
TERM 050 - SEE CHART
4X 11
4X (15.12) TYP
2X 10
2X (12.82) TYP
2X 8
2X (13.62)
TERM SHIELD - SEE CHART
A
2X 9
2X 9.55 ±0.2 TYP
PIN BLOCK - SEE CHART


F
2
4.85 ±0.05
⊕ 0.1 A B C
AT DEPTH 1
2X 7
2X 0.4 ±0.02 TYP
⊕ 0.1 D E F
VERTICAL SHIELD
2X 3
2X 0.5 ±0.03
⊕ 0.45 D E F AT PIN TIP
⊕ 0.15 D E F AT PIN BOTTOM
4
0.4 ±0.03
⊕ 0.45 D E F AT PIN TIP
⊕ 0.15 D E F AT PIN BOTTOM
2X 6
2X 6.6 ±0.05
⊕ 0.1 D E F
VERTICAL SHIELD
5
4.4 ±0.05
⊕ 0.1 A B C
AT DEPTH 1
E
2 1
2X 0.825
O
℄ OF B & E
℄ OF D
℄ OF F
0.9
0.9
3.75
3.75

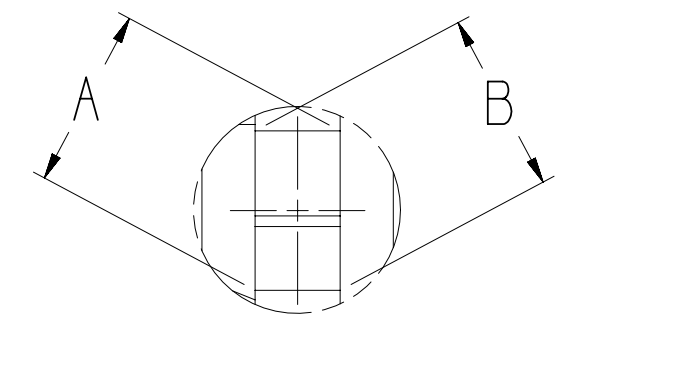
DETAIL Y
SCALE 10:1



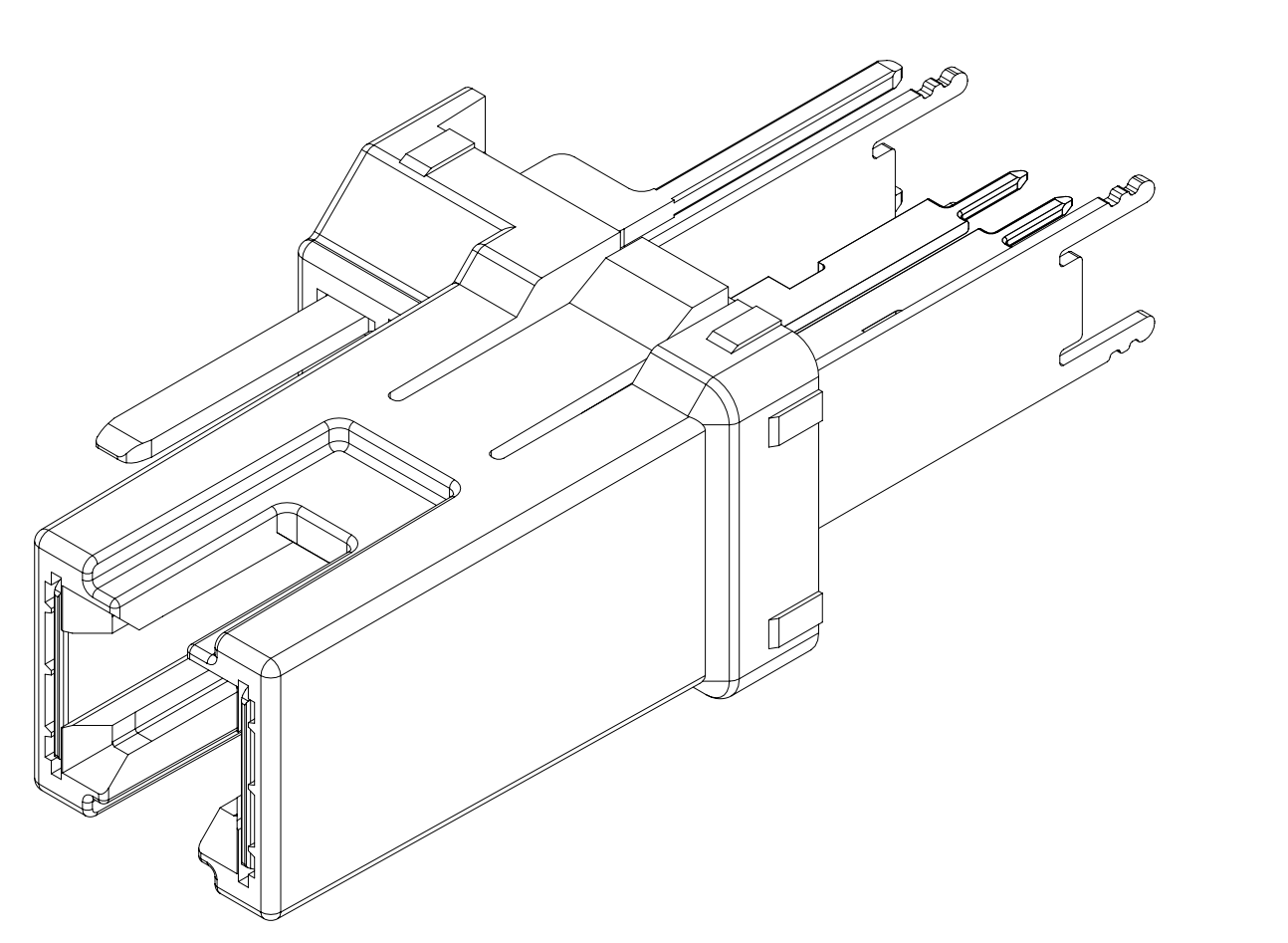
DETAIL V
SCALE 30:1

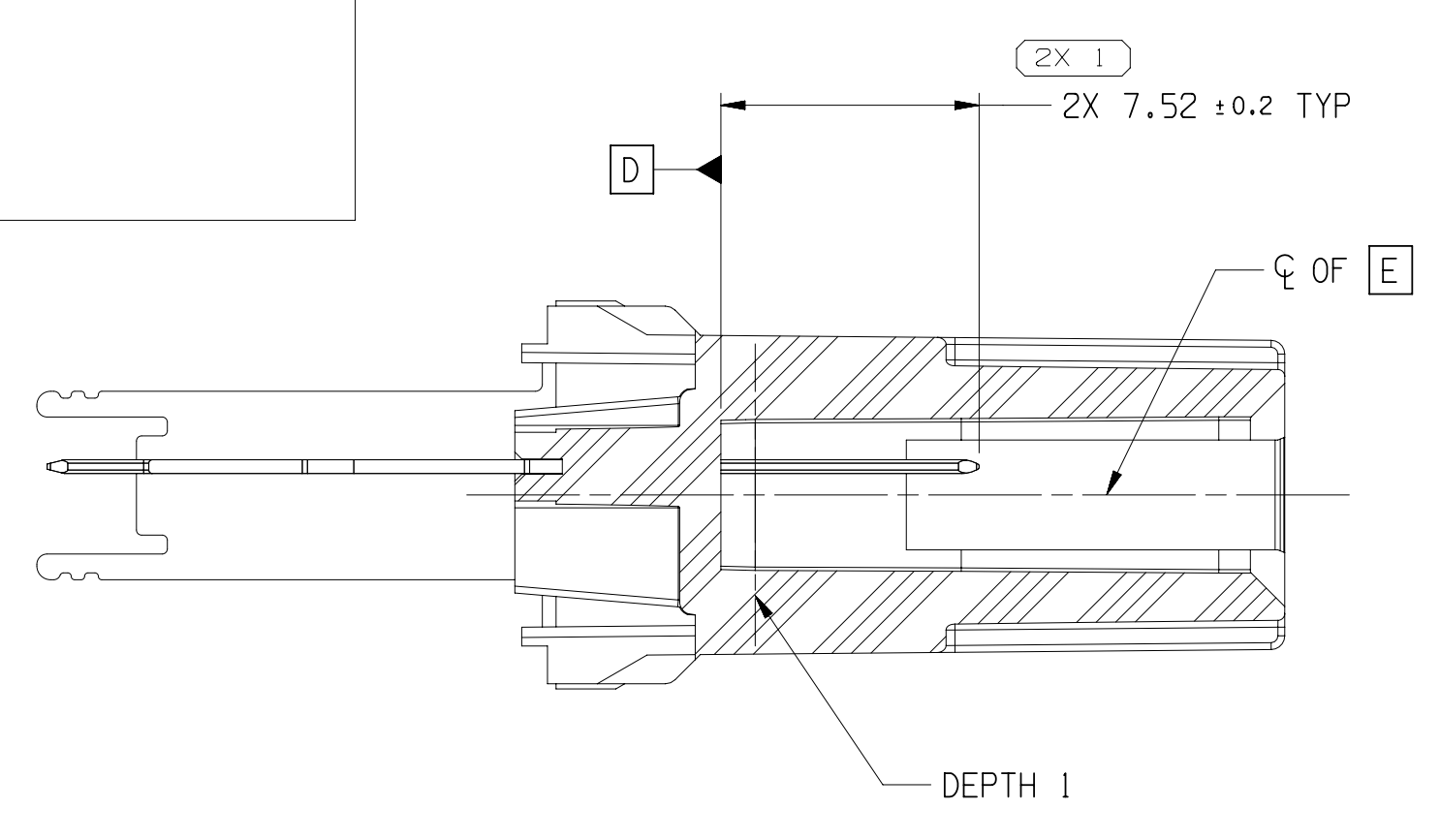


DETAIL U
SCALE 30:1

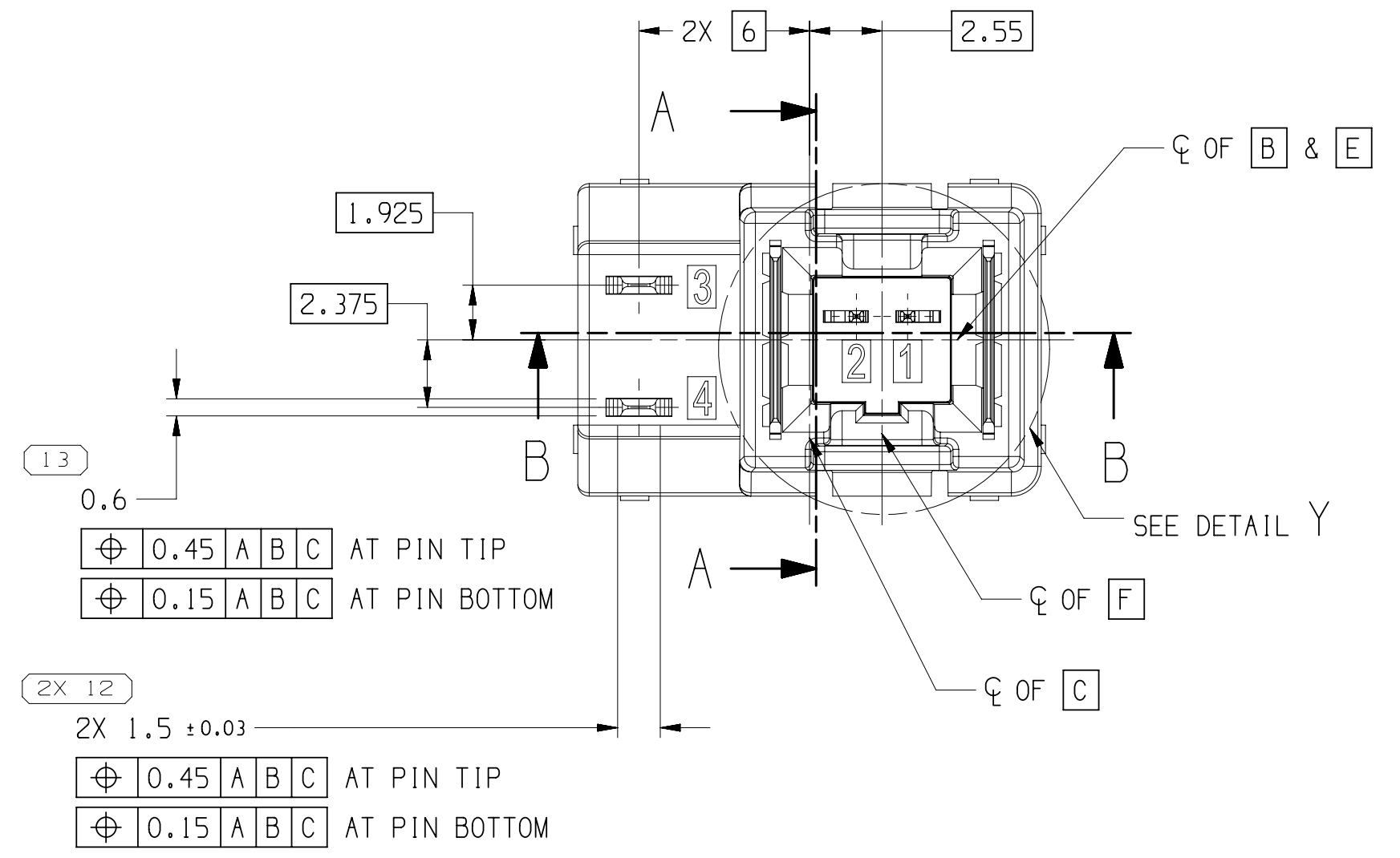


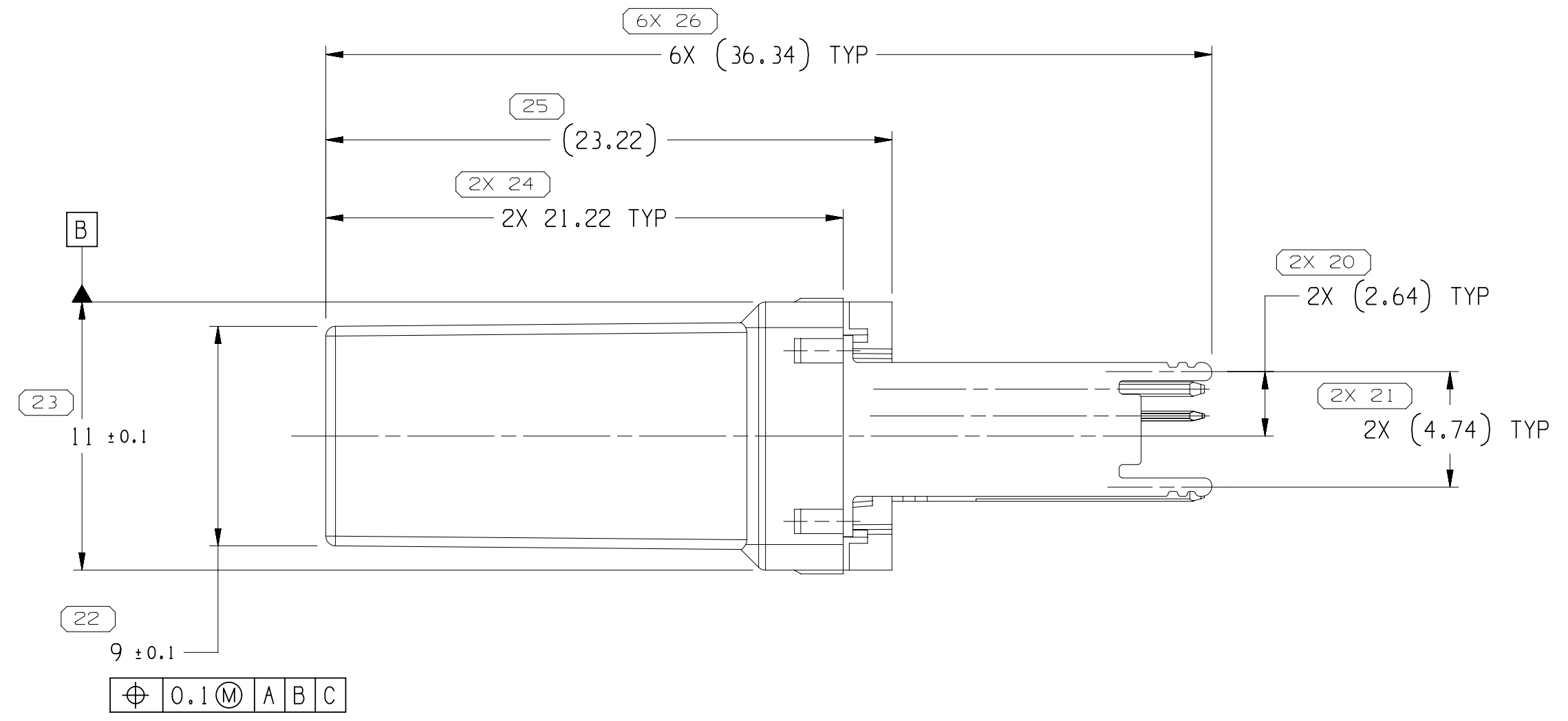
DETAIL W
SCALE 30:1

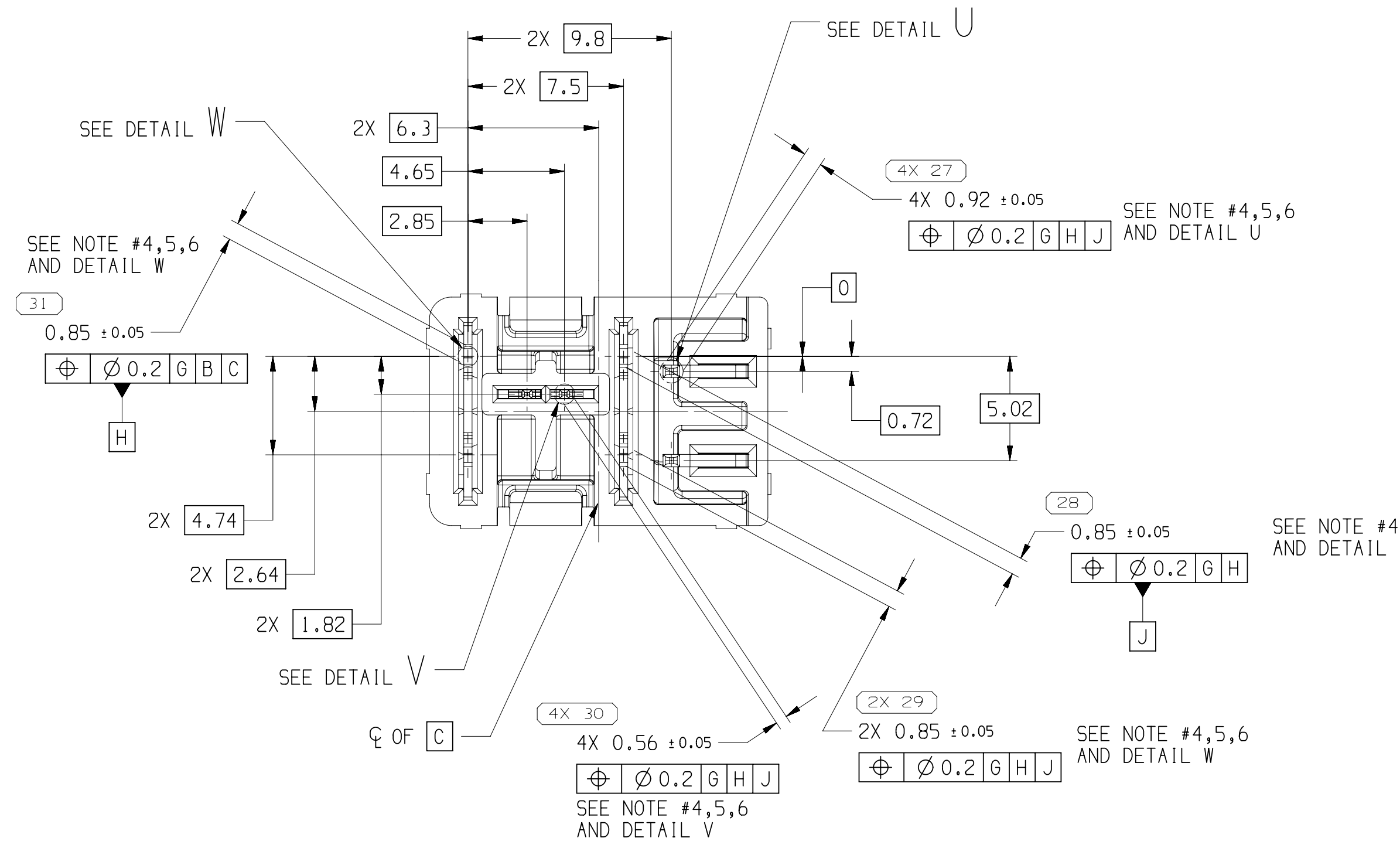


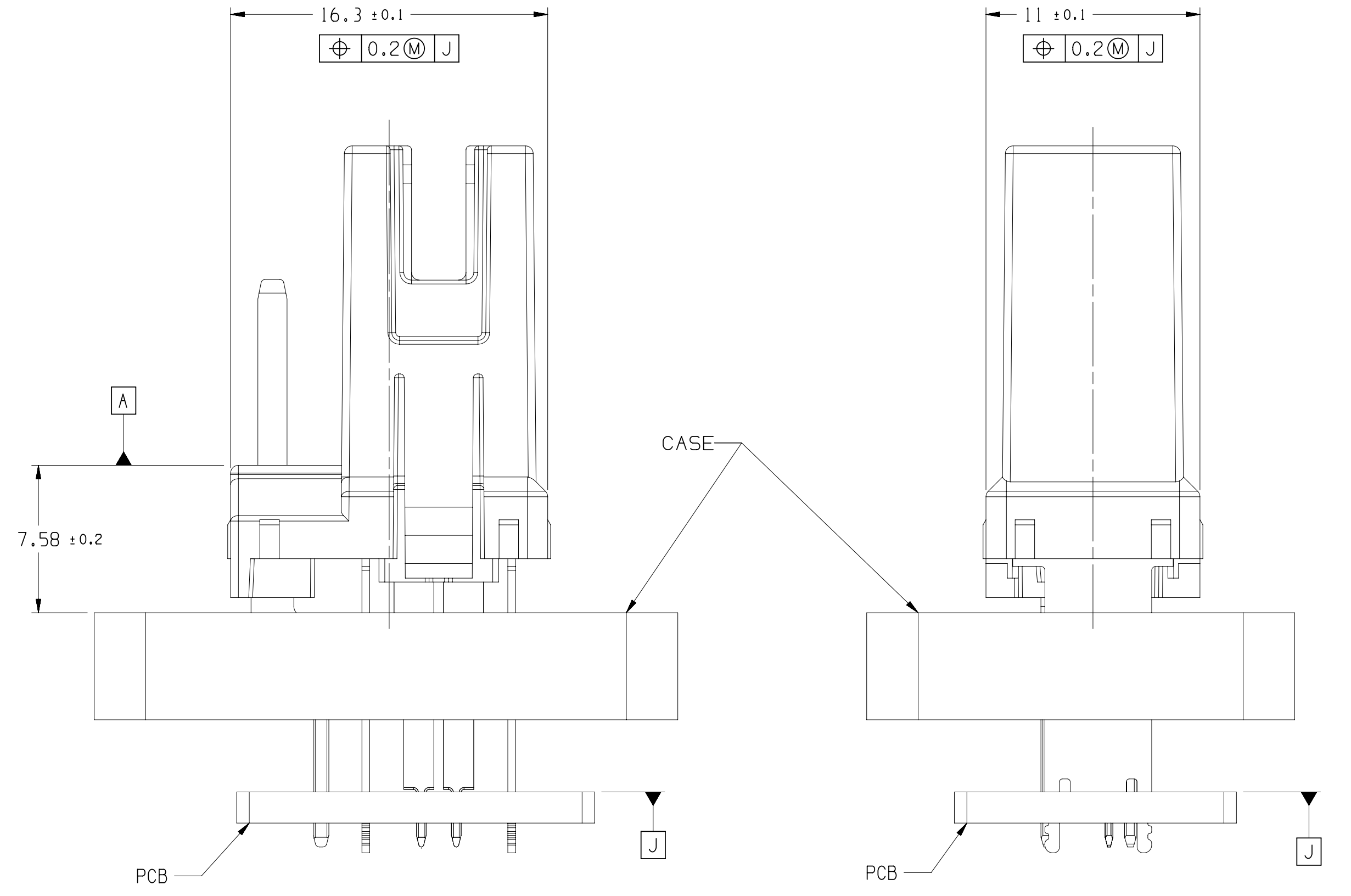

2X 1
2X 7.52 ±0.2 TYP
D
℄ OF E
DEPTH 1

SECTION A-A

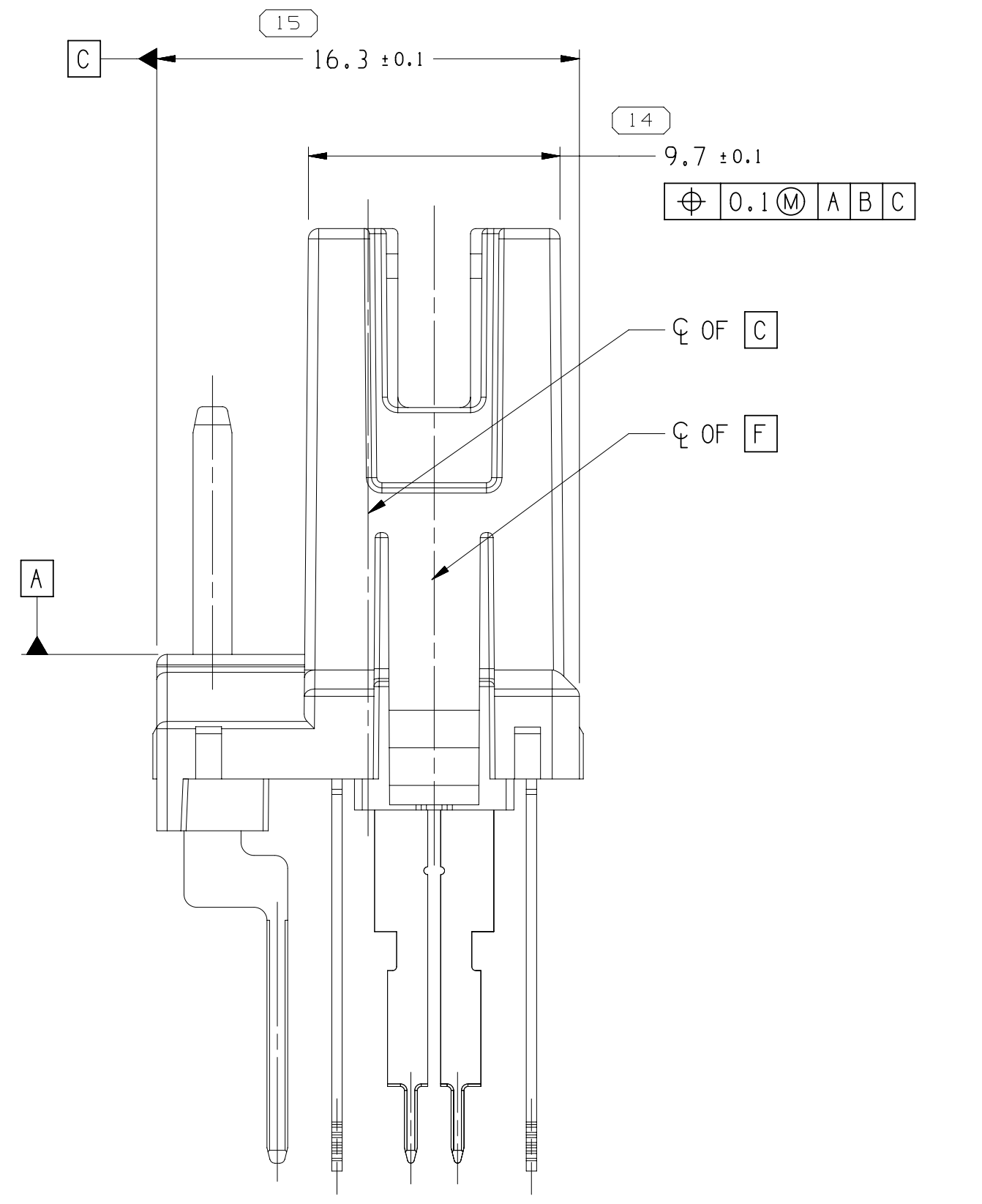

2X 6
2.55
A
1.925
2.375
3
4
2 1
℄ OF B & E
B
B
SEE DETAIL Y
13
0.6
⊕ 0.45 A B C AT PIN TIP
⊕ 0.15 A B C AT PIN BOTTOM
A
℄ OF F
℄ OF C
2X 12
2X 1.5 ±0.03
⊕ 0.45 A B C AT PIN TIP
⊕ 0.15 A B C AT PIN BOTTOM

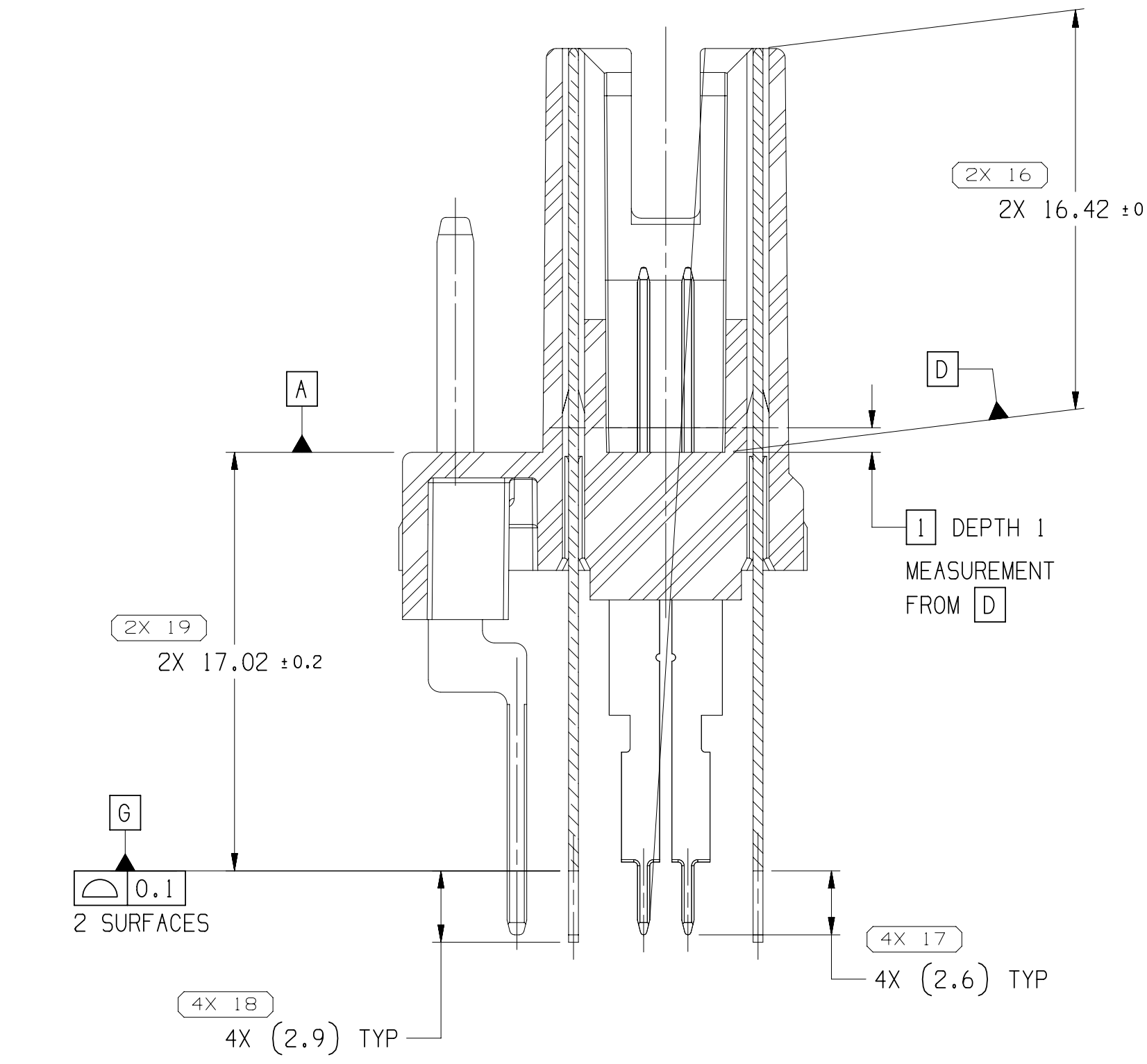

6X 26
6X (36.34) TYP
25
(23.22)
2X 24
2X 21.22 TYP
B
2X 20
2X (2.64) TYP
2X 21
2X (4.74) TYP
23
11 ±0.1
22
9 ±0.1
⊕ 0.1Ⓜ A B C


SEE DETAIL U
2X 9.8
2X 7.5
SEE DETAIL W
2X 6.3
4.65
2.85
4X 27
4X 0.92 ±0.05
⊕ Ø0.2 G H J
SEE NOTE #4,5,6 AND DETAIL U
SEE NOTE #4,5,6 AND DETAIL W
31
0.85 ±0.05
⊕ Ø0.2 G B C
H
O
0.72
5.02
2X 4.74
2X 2.64
2X 1.82
28
0.85 ±0.05
⊕ Ø0.2 G H
J
SEE NOTE #4,5,6 AND DETAIL W
SEE DETAIL V
℄ OF C
4X 30
4X 0.56 ±0.05
⊕ Ø0.2 G H J
SEE NOTE #4,5,6 AND DETAIL V
2X 29
2X 0.85 ±0.05
⊕ Ø0.2 G H J
SEE NOTE #4,5,6 AND DETAIL W


16.3 ±0.1
⊕ 0.2Ⓜ J
11 ±0.1
⊕ 0.2Ⓜ J
A
7.58 ±0.2
CASE
PCB
J
PCB
J

PCB & PINBLOCK ASSEMBLY


15
C
16.3 ±0.1
14
9.7 ±0.1
⊕ 0.1Ⓜ A B C
℄ OF C
℄ OF F
A


2X 16
2X 16.42 ±0.2
D
A
1 DEPTH 1
MEASUREMENT FROM D
2X 19
2X 17.02 ±0.2
G
⌓ 0.1
2 SURFACES
4X 17
4X (2.6) TYP
4X 18
4X (2.9) TYP

SECTION B-B

DRAWING NUMBER						
35371964						
SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1x3	5:1	2 OF 2	1 OF 1	R	02	-

QUALITY CUSTOMER INTERFACE (QCI)

DIMENSIONS LISTED BELOW (BY INSPECTION SYMBOL NUMBER) MUST BE INCLUDED IN THE PROCESS CONTROL PLAN FOR THIS PART

INSPECTION SYMBOL	ZONE
1	G20
9	K18
19	B14

SYMBOL DEFINITION

A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL ⬭ DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.

TOTAL NO OF INSPECTIONS REQUIRED	65
LAST NO. USED	31

MISSING SYMBOLS

NO MISSING SYMBOL NUMBER

DWG STATUS DATE	STG	REV	N/P	CHG	ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
11SE19	R	01	-	-		RELEASED PART DRAWING	444082	EVV	EVV	LR
04NO19	R	01	AA	-		REMOVED NOTES #7, 8, 9 & 10	550441	EVV	EVV	LR
30MR20	R	01	AB	-		ADDED AMEC PORT INFORMATION	551340	ORA	LR	LR
08JL21	R	02	-	-		ADDED QCI CHART AND DIMS #1,9 & 19	554527	AGC	AGC	LR

NOTES

1. UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:

   DIMENSIONS ARE TO FACE OF VIEW SHOWN AND AUTOMATICALLY ROUNDED BY COMPUTER FOR INSPECTION (SEE MATH MODEL FOR PRECISE DIMENSIONS). FOR ALL OTHER DIMENSIONS NOT SHOWN BUT REQUIRED FOR TOOL BUILD, SEE MATH MODEL FOR PRECISE TOOL PATH DATA.

2. THIS PRODUCT IS NOT CATEGORIZED AS AN APPEARANCE ITEM, MINOR IMPERFECTIONS INCLUDING, BUT NOT LIMITED TO, FLOW MARKS, COLOR BLEMISHES, GATE VESTIGE, AND SOFT FLASH THAT DO NOT AFFECT THE FIT, FORM, OR FUNCTION OF THE PART ARE PERMISSIBLE PER EANP_4-3_CS_01_EN.
3. REFERENCE MATING COMPONENTS OR EQUIVALENT:

   TAXI CONNECTOR 35381865

4. ALL MATING TERMINALS AND PRINTED CIRCUIT BOARD TERMINALS ARE VERIFIED FOR TOLERANCE OF POSITION BY APPROVED GAGES FOR FUNCTIONAL FIT PER CONTROL PLAN.
5. INSPECT BOTH A & B DIMENSIONS AS SHOWN IN DETAIL C, BOTH C & D DIMENSIONS AS SHOWN IN DETAIL D AND BOTH E & F DIMENSIONS AS SHOWN IN DETAIL E. THE LARGER OF THE INSPECTED FEATURE DIMENSIONS (A OR B) (C OR D) AND (E OR F) WILL BE REPORTED ON THE INSPECTION DATA.
6. THIS REQUIREMENT MUST BE MET AS CLOSE TO THE PIN TAPER AS POSSIBLE, BUT MUST NOT BE MEASURED WITHIN THE TAPERED AREA OF THE PIN.

35371965	35371061	35371062	35371063
HEADER	TERM M 050 (1 SET)	TERM M 150 (2 PLCS)	TERM SHIELD (2 PLCS)

DIMENSIONAL RANGE (MM)									CHART E1
FROM TO	> 0 20	> 20 30	> 30 70	> 70 100	>100 150	>150 200	>200 250	>250 300	>300 400
TOLERANCE UNLESS OTHERWISE SPECIFIED									
	±0.15	±0.2	±0.3	±0.4	±0.5	±0.6	±0.8	±1	±1.2
ANGULAR TOLERANCE ±2°									

⬭19 PROCESS SENSITIVE DIMENSION

DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED

A ⟍ LINE DRAWN THROUGH A PART NUMBER INDICATES THAT PHYSICAL PARTS ARE NOT AVAILABLE FOR ORDERING.

PART NUMBERS THAT DO NOT HAVE A LINE PRESENT INDICATE THAT PHYSICAL PARTS ARE AVAILABLE FOR ORDERING.

CONTACT APTIV SALES TO ASSURE AVAILABILITY OF PARTS.

DWG TYPE
PART DRAWING

STYLE

VOLUME (CM³)

DISTR CODE
D

UNLESS OTHERWISE SPECIFIED

THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5-2009. SEE APTIV ENGINEERING DESIGN STANDARD B6 2017 FOR ISO 1101:2004 RECONCILIATION REQUIREMENTS.

ALL DIMENSIONS ARE IN MILLIMETERS

REFERENCE

THIRD ANGLE PROJECTION

DO NOT SCALE

USE MATH DATA

CAD NX

•APTIV•

CONNECTION SYSTEMS
WARREN, OH

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		DATE
DR		
APVD1	ELIAS VAZQUEZ V.	11SE19
APVD2	ELIAS VAZQUEZ V.	11SE19
APVD3	LESLIE RODRIGUEZ	27SE19
APVD4		
APVD5		

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER APTIV 10949001

MATERIAL
SEE CHART

DRAWING NAME
ASM CONN 3 M AMEC 050 HEADER

DRAWING NUMBER
35371964

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1x3	5:1	1 OF 2	1 OF 1	R	02	-

35371964