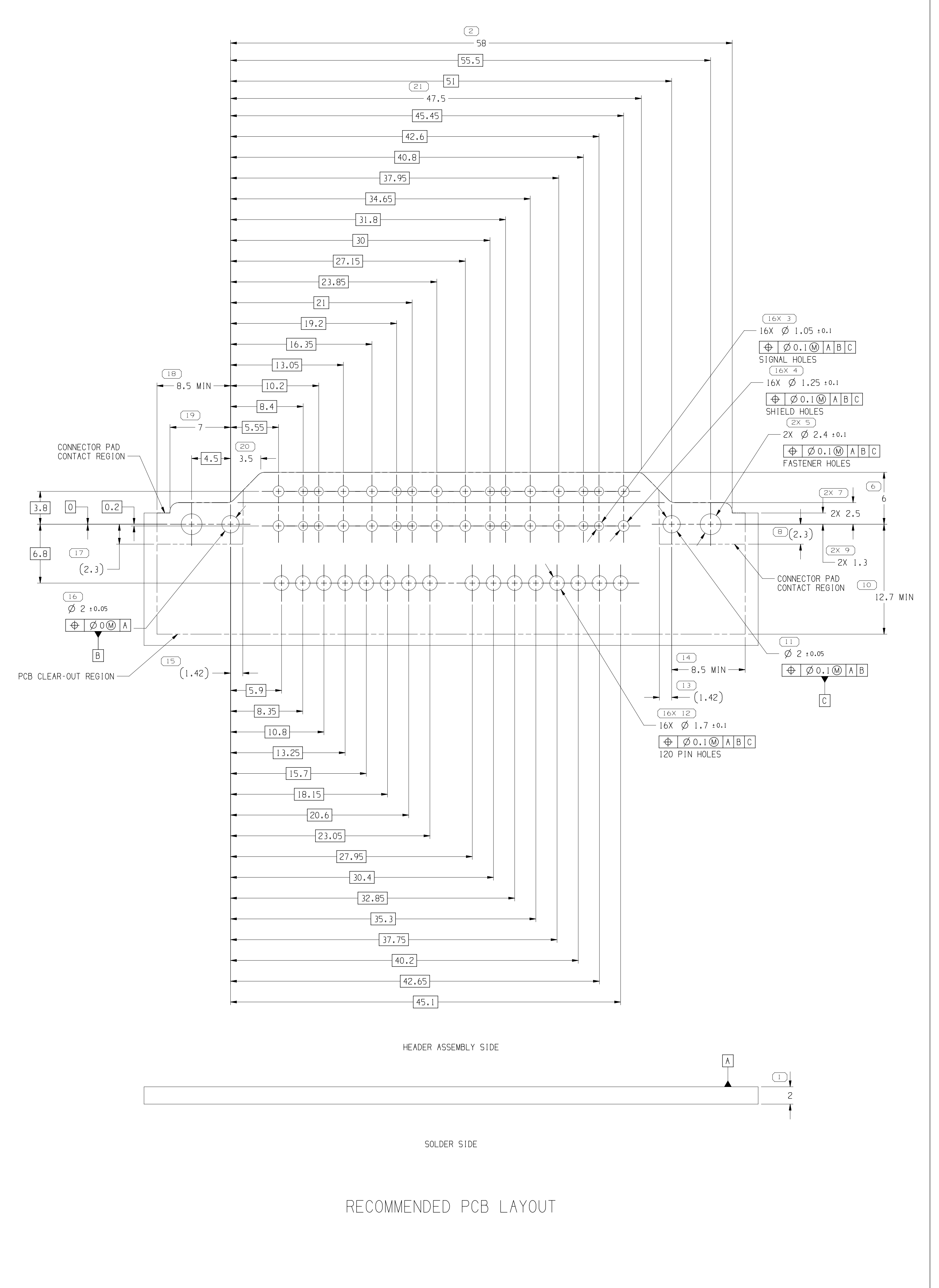
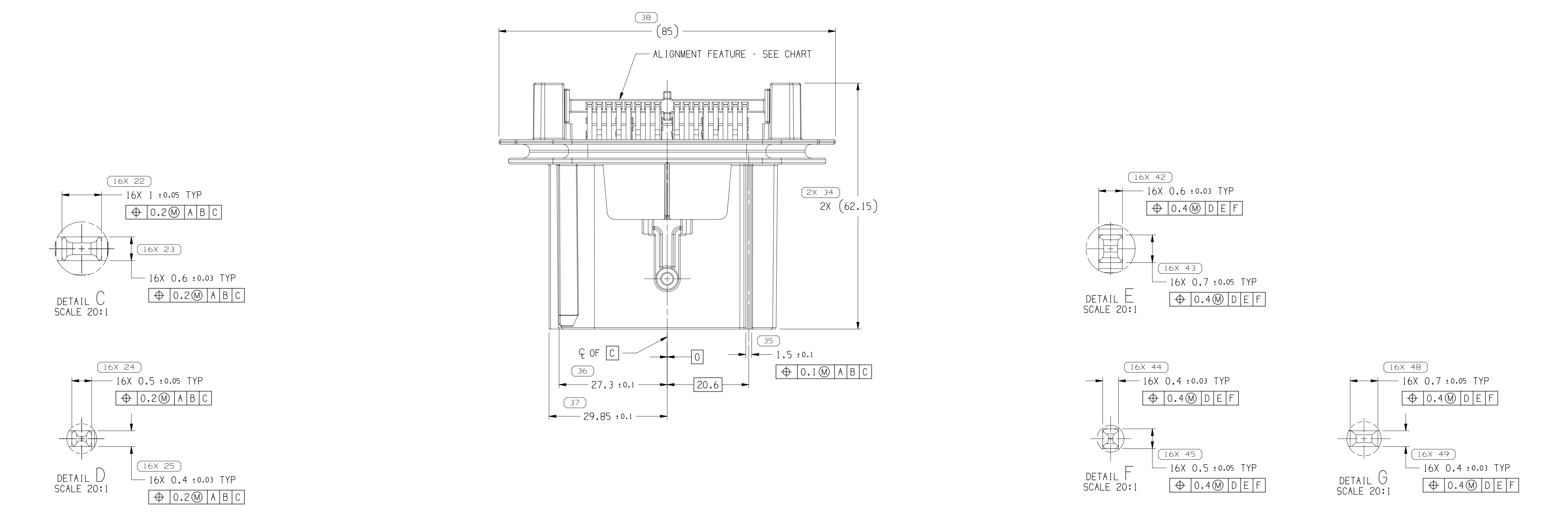
SYMBOL DEFINITION		
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL ⬭ DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.	TOTAL NO OF INSPECTIONS REQUIRED	313
	LAST NO. USED	52

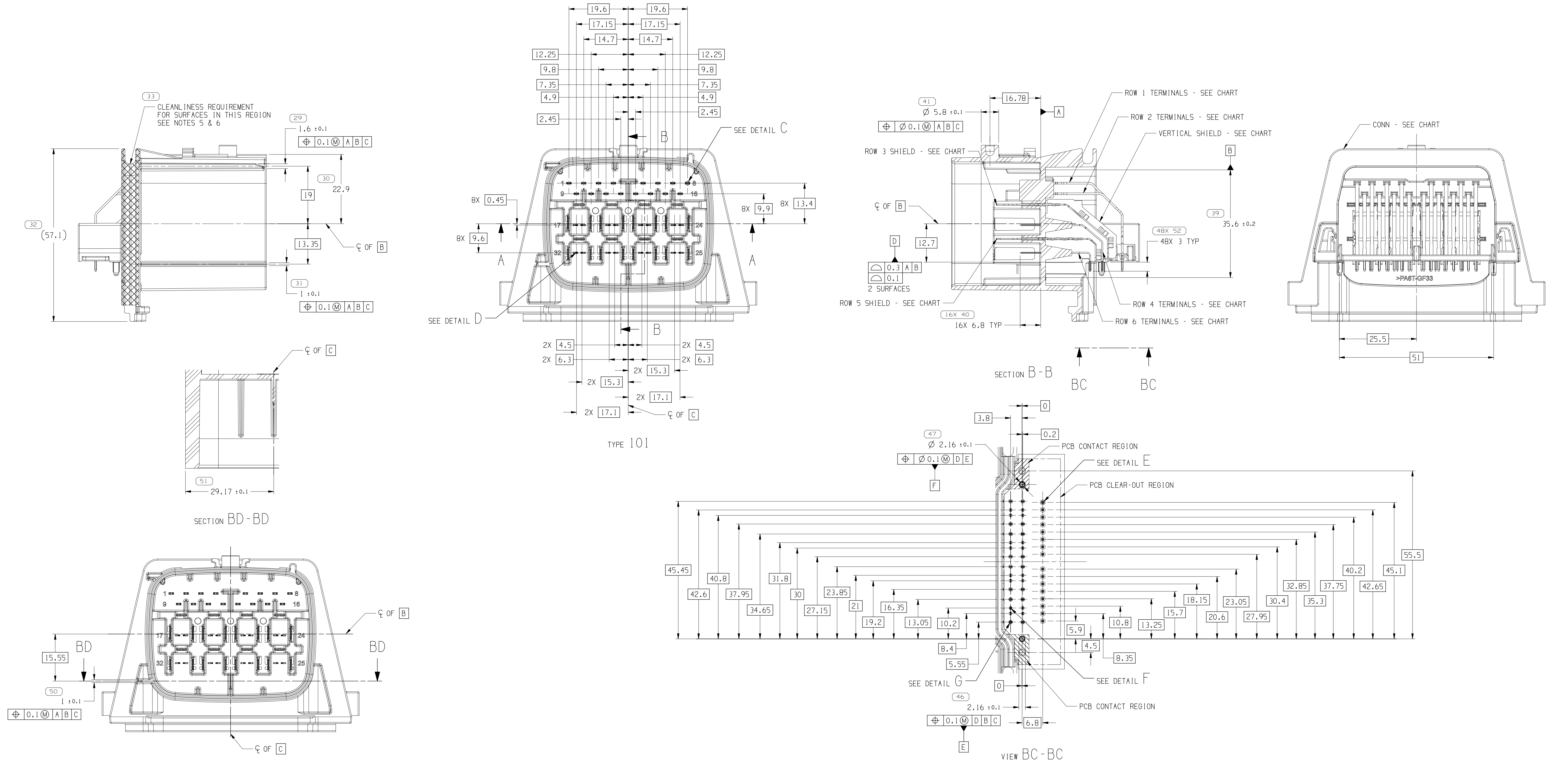
MISSING SYMBOLS
NO MISSING SYMBOL NUMBER

DWG STATUS										
DATE	STG	REV	N/P	CHG	ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
02SE20	R	01	-	-		35382942 - WAS SEPARATED DRAWING; 35398122 - RELEASED	552357	CGD	CGD	PPE
29JN21	R	02	-	-		ALL PARTS - ADDED DIM #52 (48X 3 TYP) AND UPDATED PSD (WAS DIM #33)	554631	JLL	JAA	PPE
04FE22	R	03	-	-		ALL PARTS - REFERENCE MATING COMPONENT WAS 35385215 & REVISED GRAPHICS	555835	EVV	EVV	PPE
30MY22	R	04	-	-		ALL PARTS - UPDATED PART AVAILABILITY (PNS WERE NOT AVAILABLE)	557599	GDH	JAA	PP
26AU22	R	05	-	-		ALL PARTS - ADDED "PREVENT MATERIAL MISHANDELING" NOTE	558366	JGO	JAA	PP


HEADER ASSEMBLY SIDE
SOLDER SIDE
CONNECTOR PAD CONTACT REGION
PCB CLEAR-OUT REGION
16X Ø 1.05 ±0.1
SIGNAL HOLES
16X Ø 1.25 ±0.1
SHIELD HOLES
2X Ø 2.4 ±0.1
FASTENER HOLES
CONNECTOR PAD CONTACT REGION
16X Ø 1.7 ±0.1
120 PIN HOLES
8.5 MIN
12.7 MIN
58
55.5
51
47.5
45.1

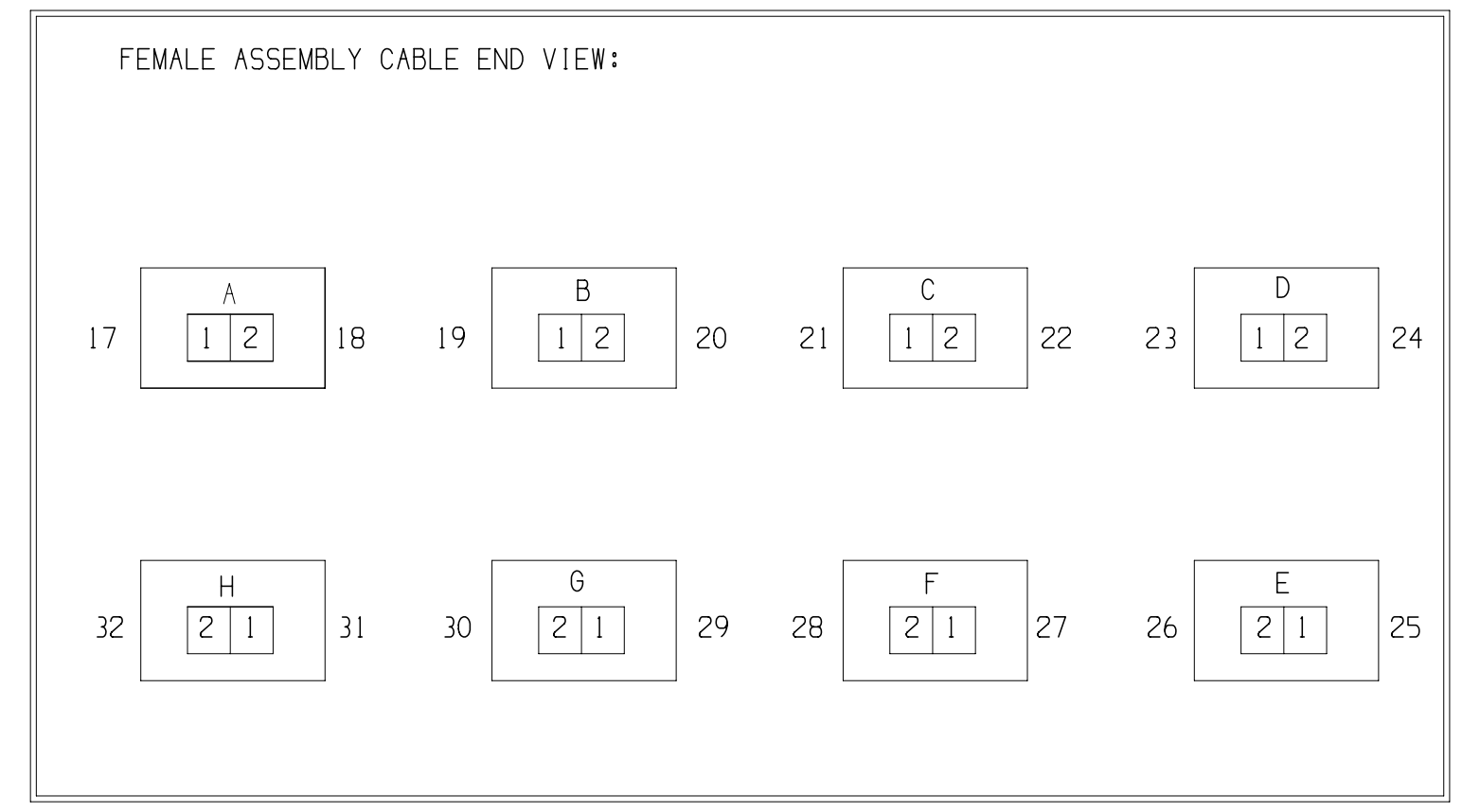
RECOMMENDED PCB LAYOUT


ALIGNMENT FEATURE - SEE CHART
DETAIL C
SCALE 20:1
DETAIL D
SCALE 20:1
DETAIL E
SCALE 20:1
DETAIL F
SCALE 20:1
DETAIL G
SCALE 20:1


CLEANLINESS REQUIREMENT FOR SURFACES ON THIS REGION SEE NOTES 5 & 6
SEE DETAIL C
SEE DETAIL D
TYPE 101
SECTION BD-BD
TYPE 102
SAME AS TYPE 101
EXCEPT AS SHOWN
ROW 1 TERMINALS - SEE CHART
ROW 2 TERMINALS - SEE CHART
VERTICAL SHIELD - SEE CHART
ROW 3 SHIELD - SEE CHART
ROW 4 TERMINALS - SEE CHART
ROW 5 SHIELD - SEE CHART
ROW 6 TERMINALS - SEE CHART
2 SURFACES
16X 6.8 TYP
48X 1 TYP
SECTION B-B
CONN - SEE CHART
PCB CONTACT REGION
SEE DETAIL E
PCB CLEAR-OUT REGION
SEE DETAIL G
SEE DETAIL F
PCB CONTACT REGION
VIEW BC-BC

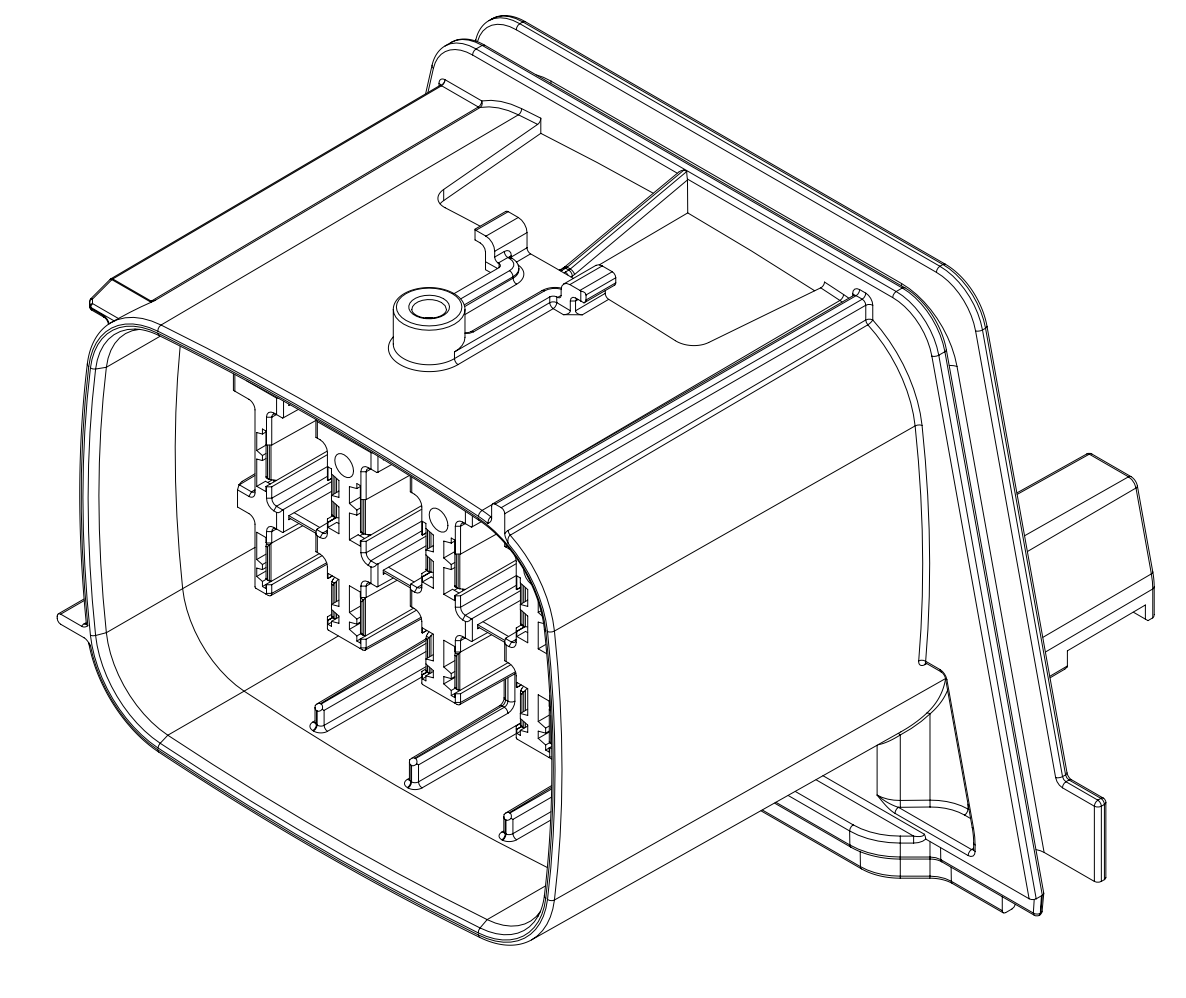
AMEC PORT INFORMATION:

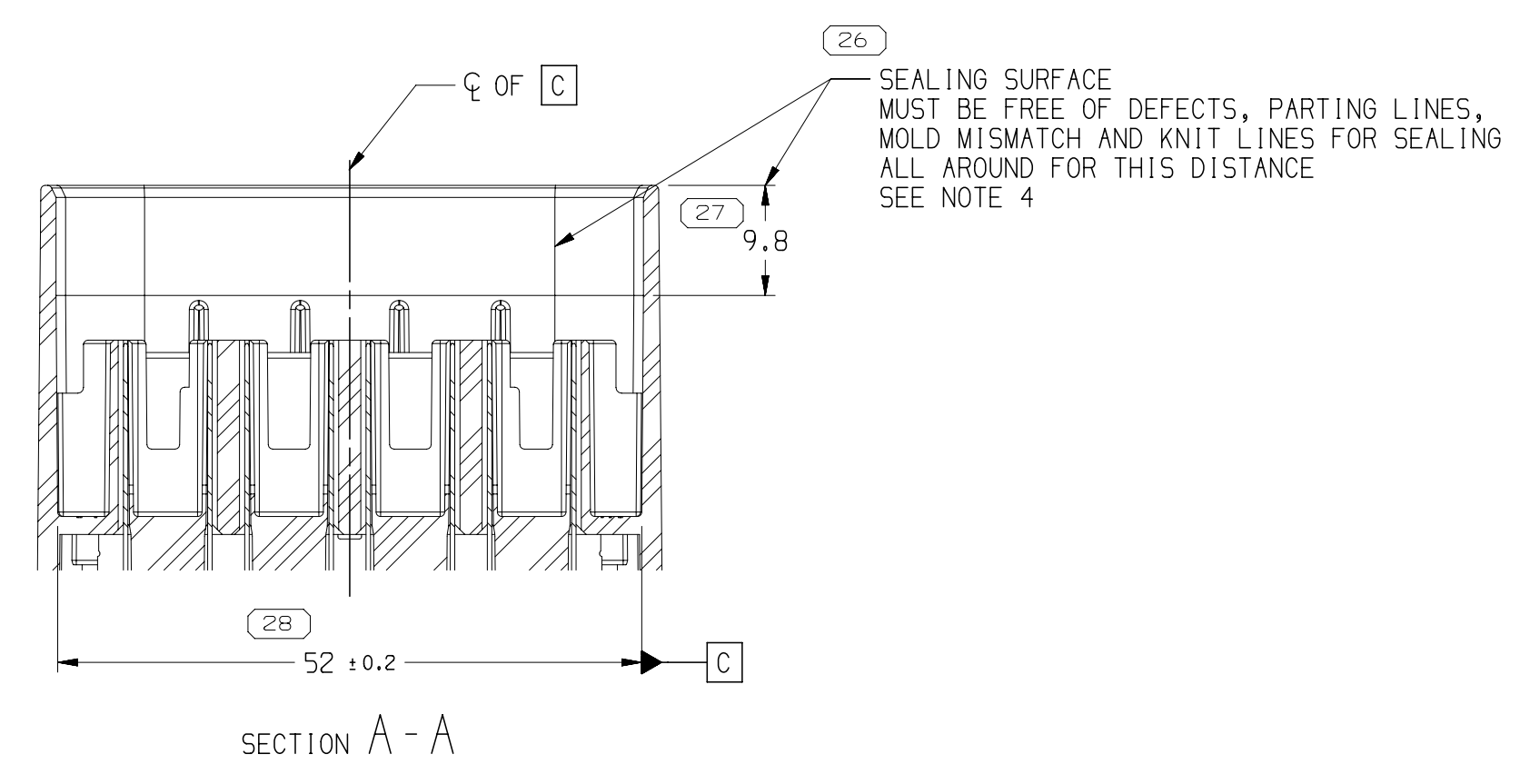
FEMALE ASSEMBLY CABLE END VIEW:


A
B
C
D
E
F
G
H
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

CAVITY NUMBER	AMEC NUMBER	AMEC POLARITY
17	A1	WHITE
18	A2	GREEN
19	B1	WHITE
20	B2	GREEN
21	C1	WHITE
22	C2	GREEN
23	D1	WHITE
24	D2	GREEN
25	E1	WHITE
26	E2	GREEN
27	F1	WHITE
28	F2	GREEN
29	G1	WHITE
30	G2	GREEN
31	H1	WHITE
32	H2	GREEN

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




SEALING SURFACE
MUST BE FREE OF DEFECTS, PARTING LINES,
MOLD MISMATCH AND KNIT LINES FOR SEALING
ALL AROUND FOR THIS DISTANCE
SEE NOTE 4
52 ±0.2
SECTION A-A

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 ASM 35607054

4. TOOLING FOR CONNECTOR SEAL SURFACES MUST CONFORM TO SURFACE FINISH OF VDI-15 (Ra = 0.5 MICRONS).

5. PRESENCE OF CONTAMINANTS MUST BE BELOW THE LEVEL WHICH WOULD PREVENT COMPLIANCE TO ADHESIVE FAILURE TEST (AFT) AND REQUIRED LEAKAGE TESTS.

6. THIS SURFACE MUST BE FREE OF DEFECTS, PARTING LINES, MOLD MISTMATCH, AND KNIT LINES THAT WOULD ADVERSELY AFFECT ADHESION.

7. FOR MATING CONFIGURATION REQUIREMENTS, SEE PART NUMBER - 35411374.

8. PCB MOUNTING BOSSES DESIGNED TO BE USED WITH THE FOLLOWING: #2-28 X 0.25" TORX DRIVE - TRI-LOBULAR THREAD FORMING SCREW. RECOMMENED ASSEMBLY TORQUE; 1Nm +/-0.1Nm.

9. PREVENT MATERIAL MISHANDELING , FALLEN HEADERS SHOULD BE CONSIDERED AS SCRAP THIS SINCE TERMINAL TRUE POSITION COULD BE AFFECTED AFTER A DROP CAUSING DIFFICULTIES DURING INSTALLATION.

PART NO	REV	N/P	TYPE	CONN	120 TERMINAL ROW 1 PART NO	120 TERMINAL ROW 1 QTY	120 TERMINAL ROW 2 PART NO	120 TERMINAL ROW 2 QTY	AMEC TERMINAL SET ROW 4 PART NO	AMEC TERMINAL SET ROW 4 QTY	AMEC TERMINAL SET ROW 6 PART NO	AMEC TERMINAL SET ROW 6 QTY	HORIZONTAL SHIELD ROW 3	HORIZONTAL SHIELD ROW 5	VERTICAL SHIELD PART NO	VERTICAL SHIELD QTY	ALIGNMENT FEATURE
35398122	03	AB	102	35491670	35382947	8	35382946	8	35382949	4	35382948	4	35382951	35382950	35382952	8	35382944
35382942	03	AB	101	35382943	35382947	8	35382946	8	35382949	4	35382948	4	35382951	35382950	35382952	8	35382944

DRAWING NUMBER						
35398124						
SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1x4	2:1	2 OF 2	1 OF 1	R	05	-

⬭ 52	PROCESS SENSITIVE DIMENSION

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

DIMENSIONAL RANGE (MM)									CHART E1
FROM	> 0	> 20	> 30	> 70	>100	>150	>200	>250	>300
TO	20	30	70	100	150	200	250	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°									

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	CARLOS DELGADILLO	02SE20
APVD2	CARLOS DELGADILLO	02SE20
APVD3	PEDRO PEREZ	02SE20
APVD4		
APVD5		

SUBSTANCES OF CONCERN AND RECYCLED CONT10949001
10949001

MATERIAL
SEE CHART

DRAWING NAME
TAXI CONN 24 M AMEC 050 SLD HEADER

DRAWING NUMBER						
35398124						
SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1x4	2:1	1 OF 2	1 OF 1	R	05	-

35398124

User: xjyl7h
Part: 35398124-CUS01-S01/05 Date: 02-Sep-22 Time: 13:43:29
xjyl7h,09022022,13:42,80pass,nor