ITEM NO	QTY	DESCRIPTION	MATERIAL
1	1	HOUSING	PA
2	1	CONTACT PIN	BRASS - NICKEL PLATED BOTTOM 1.25µm MIN, CONTACT GOLD PLATED 0.125µm SOLDERING AREA MATTE TIN PLATED 2.5µm MIN.
3	1	INSULATOR	LCP COLOR: NATURAL
4	1	BODY	ZINC - MATTE TIN PLATING 2.5-3.75µm; CU 10-15µm; Ni 2.5-4.5µm

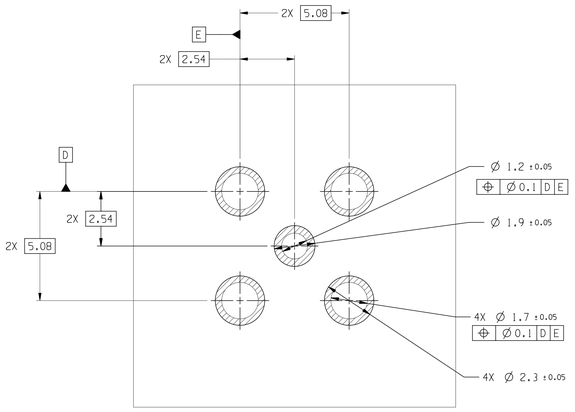
SYMBOL DEFINITION

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

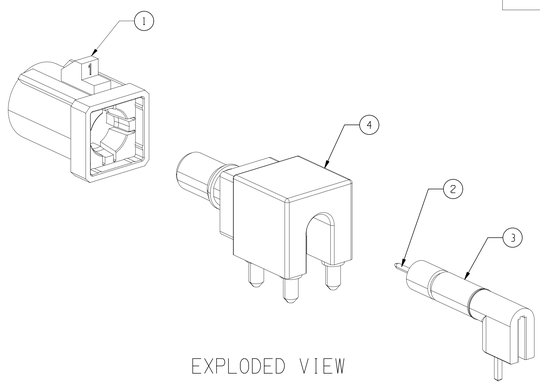
TOTAL NO OF INSPECTIONS REQUIRED	23
LAST NO. USED	25

MISSING SYMBOLS
3-4 6-7 12-13
15-16 19-20

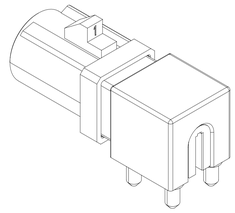
DWG STATUS					ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
DATE	STG	REV	N/P	CHG						
06OC21	R	01	-	-		FIRST RELEASED	447102	PVD	MS	#HM
27JN23	R	02	-	-		REVISED DIMENSIONS REVISED NOTES	44943B	CL	JZ	YOJ



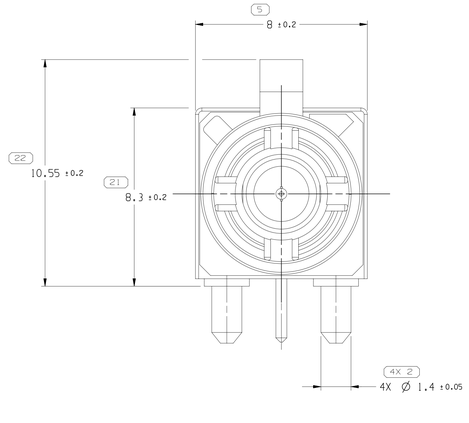
RECONMENDED PCB LAYOUT
TOLERANCE: ±0.05

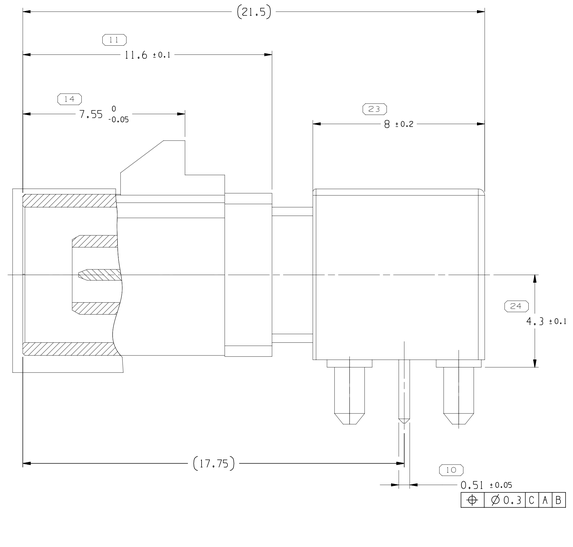


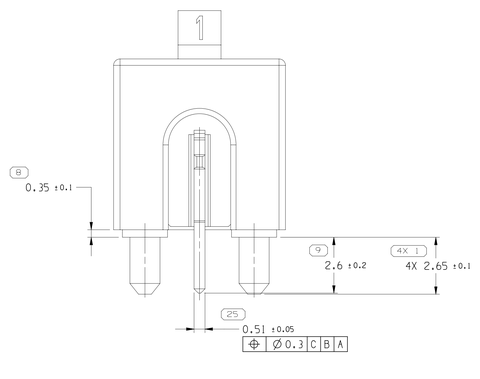
EXPLODED VIEW
(5:1)

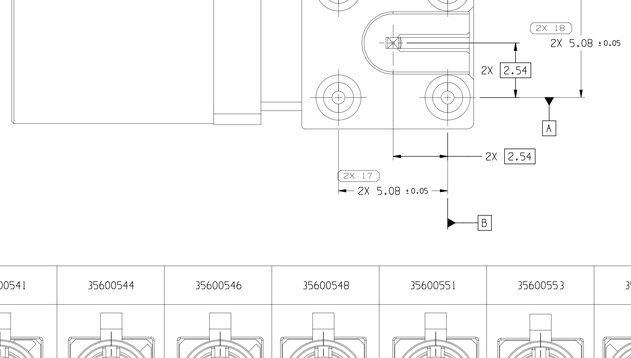


(5:1)









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 DATAMATERIALS

2. MATERIAL: SEE TABLE
   PLATING:
   - TERMINALS: GOLD ON CONTACT AREA ;MATTE TIN ON SOLDER AREA
   - SHIELD: MATTE TIN ON SOLDER AREA

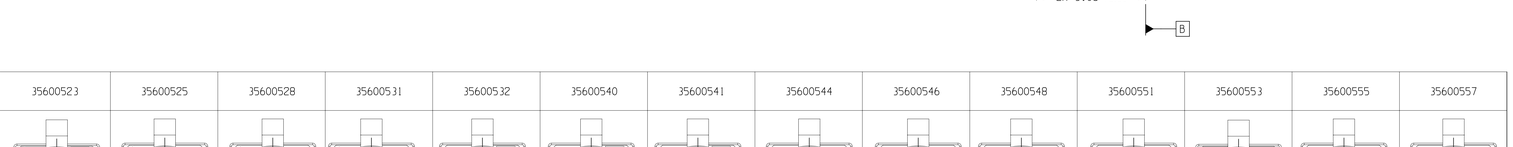
3. ELECTRICAL SPECIFICATION:
   A. IMPEDANCE: 50 Ω
   B. FREQUENCY RANGE: DC TO 6.0 GHz
   C. STANDING WAVE RATIO: 1.4 (15.6 dB)MAX (DC TO 2.0 GHz)
      1.5 (13.98 dB)MAX (2.0 GHZ TO 3.0 GHz)
      1.6 (12.74 dB)MAX (3.0 GHZ TO 6.0 GHz)
   D. INSERTION LOSS: 0.3 dB MAX (DC TO 3 GHZ)
      0.45 dB MAX (3 GHZ TO 6 GHZ))
   E. CENTER CONTACT RESISTANCE: 24mΩ MAX
   F. OUTER CONTACT RESISTANCE: 5mΩ MAX
   G. WORKING VOLTAGE: 60V MAX
   H. POWER CURRENT 1A MAX
   I. DIELECTRIC WITHSTANDING VOLTAGE: 800V MIN.
   J. INSULATION RESISTANCE: 100MΩ MIN.

4. MECHANICAL SPECIFICATION:
   - DURABILITY: 25 CYCLES MIN.
   - RETENTION FORCE LATCH: 110N MIN.
   - ENGAGEMENT FORCE: 25N MAX .
   - FAKRA INTERFACE PER USCAR-18

5. WORKING TEMPERATURE RANGE: -40 C TO +105 C

6. RECOMMENDED PCB THICKNESS: 1.6mm.

7. SOLDERING PROCESS: LEAD-FREE REFLOW SOLDERING
   PROCESS, MAX SOLDERING TEMPERATURE: +260 C FOR 10 SEC.

PN	35600523	35600525	35600528	35600531	35600532	35600540	35600541	35600544	35600546	35600548	35600551	35600553	35600555	35600557
PLUG														
CODE	A	B	C	D	E	F	G	H	I	K	L	M	N	Z
COLOR	BLACK	WHITE	BLUE	CLARET VOILET	GREEN	BROWN	GRAY	HEATHER VOILET	BEIGE	CURRY	CARMINE RED	PASRAL ORANGE	PASTAL GREEN	WATER BLUE
RAL NO.	9005	9001	5005	4004	6002	8011	7031	4003	1001	1027	3002	2003	6019	5021

N/A 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°									

THIRD ANGLE PROJECTION

DO NOT SCALE
USE MATH DATA

NX

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

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

•APTIV•

CONNECTION SYSTEMS
Chennai, India

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	DATE
DR	
APVD1 DURGA PRASAD P	06OC21
APVD2 MANOHARAN S	06OC21
APVD3 HUIMIN WANG	06OC21
APVD4	
APVD5	

SUBSTANCES OF CONCERN AND RECYCLED CONT(0949001)

MATERIAL
SEE CHART

DRAWING NAME
TAXI CONN 0 M HEADER

DRAWING NUMBER
35600714

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A0	10:1	1 OF 1	1 OF 1	R	02	-

Users\ebbjcv\Documents\CONNECTOR\Projects\35600714_02.prt Date: 11-Jul-23 Time: 13:22:28