



SYMBOL DEFINITION		TOTAL NO OF INSPECTIONS REQUIRED
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.		3
	LAST NO. USED	3

MISSING SYMBOLS		NO MISSING SYMBOL NUMBER		REVISION HISTORY		AUTH	DR	APVD	APVD
DATE	STG	REV	NP	CHG	ZONE				
22AU22	R	01	-	-		447870	DYE	JYO	GG
09N022	R	02	-	-		448668	WZD	JYO	GG

CREATED PART DRAWING
DIM1 WAS 2.17(+0.1,-0.15)
DIM2 WAS 0.3(+0.1,-0.1)
DIM3 WAS 1.33(+0.3,-0.3)
REMOVED (29.8)
REVISED BOMCHART AND NOTES

PART NUMBER	KEY CODE	KEY SHAPE	OUT HOUSING COLOR
35531847	A		BLACK
35531849	B		GREEN WHITE
35531850	C		SIGNAL BLUE
35531851	D		CLARET VIOLET
35531852	E		LEAF GREEN
35531853	F		NUT BROWN

PART NUMBER	KEY CODE	KEY SHAPE	OUT HOUSING COLOR
35531854	G		GREY
35531856	H		VIOLET
35531858	J		BEIGE
35531859	K		CURRY
35531860	L		YELLOW GREEN
35531861	M		PASTEL ORANGE

- NOTES**
- 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
 - ELECTRICAL SPECIFICATION:
- IMPEDANCE: 100Ω
- TEST VOLTAGE: 250V rms;
- WORKING VOLTAGE: 100V rms;
- FREQUENCY RANGE: DC TO 20GHz
- RETURN LOSS: 20 DB MIN(DC TO 1GHz)
- 17 DB MIN(DC TO 20GHz)
- INSERTION LOSS: -0.3 DB MAX(DC TO 20GHz)
- SKEW(BETWEEN SIGNAL CONTACTS) SPSEX. MAX
- CROSSTALK: -30DB MAX(DC TO 20GHz)
- CENTER CONTACT RESISTANCE: 10mΩ MAX
- OUTER CONTACT RESISTANCE: 7.5mΩ MAX
- DIELECTRIC WITHSTANDING VOLTAGE: 500V MIN
 - MECHANICAL SPECIFICATION:
- MATING CYCLES: 25 TIMES
- RETENTION FORCE LATCH: 110N MIN.
- INSERTION FORCE: 60N MAX .
 - PARTS SHOWN ON THIS DRAWING USED IN ASM SHOWN ON TAXI CHART.
 - WORKING TEMPERATURE RANGE: -40° C TO +105° C

ITEM	PART NAME	MATERIAL	PLATING/COLOR
10	FRONT SHIELD	C5191	NI 2μm MIN
9	POWER PIN	COPPER ALLOOY	NI
8	REAL TPA	PBT	BLACK
7	POWER PIN TPA	PBT	VIOLET
6	INNER SHIELD	C2680	NI 2μm MIN
5	TERMINAL COVER	PA	YELLOW
4	FEMALE TERMINAL	C5191	NI 2μm MIN, CONTACT GOLD PLATED 0.75μm MIN
3	INSULATOR	LCP	NATURAL COLOR
2	OUTER FERRULE	C3604	NI 2μm MIN
1	HOUSING	PBT	SEE TABLE

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

UNLESS OTHERWISE SPECIFIED
THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS MODIFIED BY THE 2018 GLOBAL DIMENSIONING AND TOLERANCING ADDENDUM-2018. SEPARATE PATTERNING OF FEATURES MAY BE AWARDED SEPARATELY REGARDLESS OF DATUM REFERENCES.

ALL DIMENSIONS ARE IN REFERENCE

5 PROCESS SENSITIVE DIMENSION
DIMENSIONS ENCLOSED IN () INDICATE REFERENCE DIMENSING AND NO TOLERANCE LIMITS ARE ESTABLISHED

DIMENSIONAL RANGE (MM)	TOLERANCE	CHART	ET
FROM 0 TO >0	>0	>30	>70
>0	>20	>100	>150
>0	>100	>200	>250
>0	>200	>300	>400
TOLERANCE (UNLESS OTHERWISE SPECIFIED)			
±0.15	±0.2	±0.3	±0.4
±0.5	±0.6	±0.8	±1
±1	±1.2	ANGULAR TOLERANCE 12°	

THIRD ANGLE PROJECTION
DO NOT SCALE
USE MATH DATA

• APTIV •
CONNECTION SYSTEMS
Diermot, India
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DR	DATE
APVD1 DANIEL YE	22AU22
APVD2 JING YINGQUAN	22AU22
APVD3 GARY GUAN	22AU22
APVD4	

UNLESS OTHERWISE SPECIFIED
SUBSTANCES OF CONCERN AND RECYCLED CONTENT (10949001) (10949001)

WORKING CHART

DRAWING NAME: TAXI CONN 0 F HSDD
DRAWING NUMBER: 35532777
SIZE: A0
SCALE: 5:1
FRAME NO: 1 OF 1
SHEET NO: 1 OF 1
STG: R
REV: 02