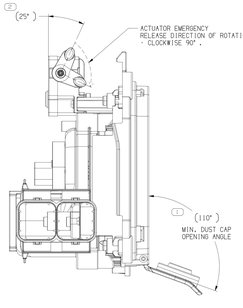
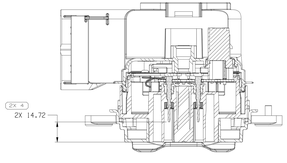
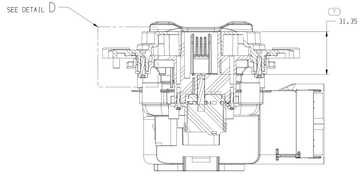


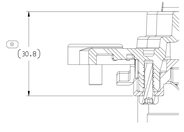
SWING VIEW



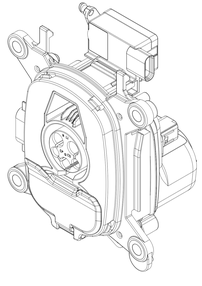
SECTION A - A

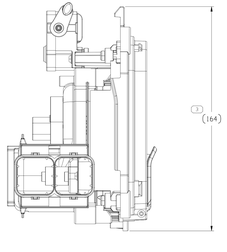


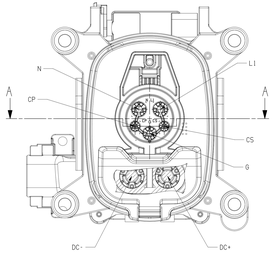
SECTION B - B

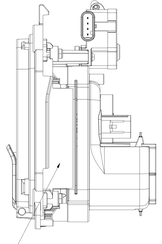


DETAIL D
SCALE 2:1

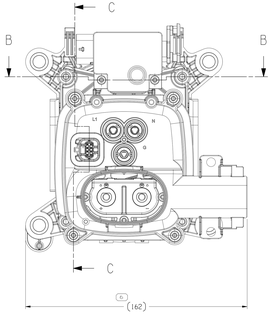


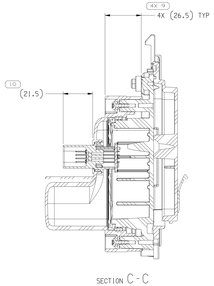






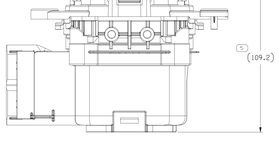
SWING VIEW





SECTION C - C

LASER ENGRAVED INCLUDES:
QR CODE, PART NUMBER, REVISION
LEVEL AND HOUR OF PRODUCTION



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	14
	LAST NO. USED	10

MISSING SYMBOLS
NO MISSING SYMBOL NUMBER

DWG STATUS				ZONE	REVISION HISTORY	AUTH	DR	APVD	APVD
DATE	TSD	REV	A/P	CHG				2	3
15SE21	R	01	-	-	ALL PARTS - RELEASED PART DRAWING	954260	KRK	KRK	TM
07MR22	R	01	AA	-	ADDED "DC+" & "DC-" CALLOUTS	556790	LXA	LXA	MIR
02NV22	R	02	-	-	UPDATED GRAPHICS ONLY	557312	JS	JS	JP
05JL22	R	03	-	-	ADDED PN J5468116 IN BOM & NOTE #2, QTY #14 WAS 12 AND REMOVED ITEM #17 IN BOM	557945	KRK	KRK	MIR
25AU22	R	04	-	-	J5684816 WAS J5453775 IN BOM CHART	558410	DDH	JAA	MIR
22SE22	R	04	AA	-	ADDED SWING VIEW AND QR LASER NOTE	558565	ESG	AHY	MIR
19OC22	R	04	AB	-	UPDATED PDM ATTRIBUTES	558795	MLR	GLO	MIR
09MR23	R	04	AC	-	UPDATED "LASER ENGRAVED" LABEL AND ADDED "SENSITIVE DIM" NOTE	559792	LOO	GLO	MIR

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. FOR HARNESS MANUFACTURING USE REFER TO ASSEMBLY MANUAL APTIV PN: J5477642_CUS02_S01 FOR DETAILED DESCRIPTION OF ALL ASSEMBLY STEPS/SEQUENCE OF OPERATIONS, END OF LINE TESTS, CHECKS AND ADDITIONAL NOTES.

3. PARTS MUST BE SPECIALLY PACKAGED TO PREVENT ANY DAMAGE DURING SHIPPING OR HANDLING. THE SHIPPING CONTAINER MUST BE LINED WITH PLASTIC LINERS. LINERS MUST BE SEALED TO AVOID FOREIGN MATTER

4. PARTS MUST BE FREE OF DUST, CARDBOARD FIBER, LOOSE METAL SLIVERS OR ANY PARTICULATE MATTER THAT MAY CAUSE FIT OR FUNCTION CONCERNS

5. FOR APPLICATION DATA SEE THE APPLICATION DRAWING.

6. FOR APTIV INTERNAL USE ONLY: ANY RELEVANT TOLERANCE UPDATES OR CHANGES MADE ON THIS DRAWING MUST ALSO BE REFLECTED ON J5446041-CUS02-S01.

7. GASE CHECK MUST BE PERFORMED TO VERIFY TERMINAL POSITIONS AFTER ASSEMBLY. USE GASE J305 BASED ON J1772 STD.

8. SENSITIVE DIM #14 REFERENCED IN LIMITED DRAWING.

S.NO	PART NO	DESCRIPTION	MATERIAL SPECIFICATION	QTY	UOM
19	J5648116	M3 SS SCREW WITH EPDM WASHER	STAINLESS STEEL	4	PCS
18	J5446076	ACTUATOR	-	1	PCS
			-	-	-
16	M85351O3	PARKER CHOMERICS GAP FILLER MATERIAL	-	1.5	GRAMS
15	J5446069	REAR COVER	POLY CARBONATE COMPOUND	1	PCS
14	J5259991	M3 SCREW	STEEL	8	PCS
13	J5446078	COMBINED AC & DC TPA	POLYESTER COMPOUND	1	PCS
12	J5548258	PERIPHERAL SEAL	SILICONE COMPOUND	1	PCS
11	J5446051	DC POWER - ASM	COPPER ALLOY	1	PCS
10	J5446049	DC POWER + ASM	COPPER ALLOY	1	PCS
9	J5446047	AC SIGNAL PIN	COPPER ALLOY	2	PCS
8	J5454632	PIN BLOCK SEAL	SILICONE COMPOUND	1	PCS
7	J3103899	DC-O RING	SILICONE COMPOUND	2	PCS
6	J5684816	AC-DC PCBA ASSEMBLY	-	1	PCS
5	J5446058	AC TERMINAL MATTE SEAL	SILICONE COMPOUND	1	PCS
4	J5329575	M4 SCREW	STEEL	4	PCS
3	J5446065	INLET HOUSING	POLYESTER COMPOUND	1	PCS
2	J5446064	BEAUTY PLATE (INSERT MOLDED)	POLYESTER COMPOUND	1	PCS
1	J5476855	FRONT DC DUST COVER	TPV + POLYPROPYLENE COMPOUND	1	PCS

(N/A) PROVIDES SENSITIVE DIMENSION

DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LISTED ARE STANDARD.

DIMENSIONAL RANGE (MM)									
FROM	0	>6	>30	>80	>120	>180	>250	>315	>400
TO	>6	>30	>80	>120	>180	>250	>315	>400	>500
TOLERANCE (UNLESS OTHERWISE SPECIFIED)									
±0.25	±0.25	±0.25	±0.25	±0.25	±0.25	±0.25	±0.25	±0.25	±0.25
ANGULAR TOLERANCE (DEG)									

DRAWING NUMBER							
35446041							
SIZE	SCALE	FRAME NO	SHEET NO	TOTAL SHT	REV	A/P	
A1x3	1:1	2 OF 2	1 OF 1	R	04	AC	

THIRD ANGLE PROJECTION

DO NOT SCALE
USE MATH DATA

NX

•APTIV•
CONNECTION SYSTEMS
Chennai, India

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A ~~PART~~ USE DRAWN TURNKEY 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)	
SYSTEM UNIT	D

UNLESS OTHERWISE SPECIFIED
THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.100-2013 AND ASME Y14.5-2009 DESIGN STANDARD BUT NOT FOR DESIGN-LEVEL RECONCILIATION REQUIREMENTS.

ALL DIMENSIONS ARE IN MILLIMETERS

		DATE
DR		
APVD1	R. KANNAN	15SE21
APVD2	R. KANNAN	15SE21
APVD3	T. MATHEWS	15SE21
APVD4		
APVD5		

SUBSTANCES OF CONCERN AND RECYCLED CONTENT(APVD5) (DATE)
SEE CHART

REFERENCE

DRAWING NAME
ASM CONN 5 M H/P 2500 SLD BASE 7 HV

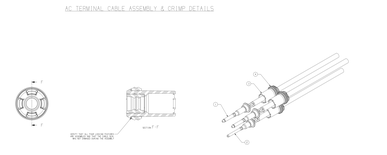
DRAWING NUMBER
35446041

SIZE	SCALE	FRAME NO	SHEET NO	TOTAL SHT	REV	A/P
A1x3	1:1	2 OF 2	1 OF 1	R	04	AC

Model: J5446041_CUS02_S01.CATPart
Plot Date: 23-Mar-2023 Time: 15:59:59
Plot Scale: 1.000000

3 2 1 0 9 4 2

AC TERMINAL CABLE ASSEMBLY & CRIMP DETAILS



NOTES:

1. THE CRIMPING TOOLING MUST BE THE SPECIFIED TOOL OF MELLO-WELD CORP. CONNECTION.
2. THE WIRE TYPE TO BE STRAND.
3. THE CRIMPING TOOL MUST BE CALIBRATED ON THE SPECIFIED TOOL OF MELLO-WELD CORP. CONNECTION.
4. THE PROPER STRAND WIRE SIZE, PLUS WIRE INSULATION MUST BE CLEAR OF CRIMPING.
5. THE CRIMPING STRAND WIRE TO BE SCRAPED PRACTICAL.
6. THE CRIMPING TOOL MUST BE CLEAN.
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