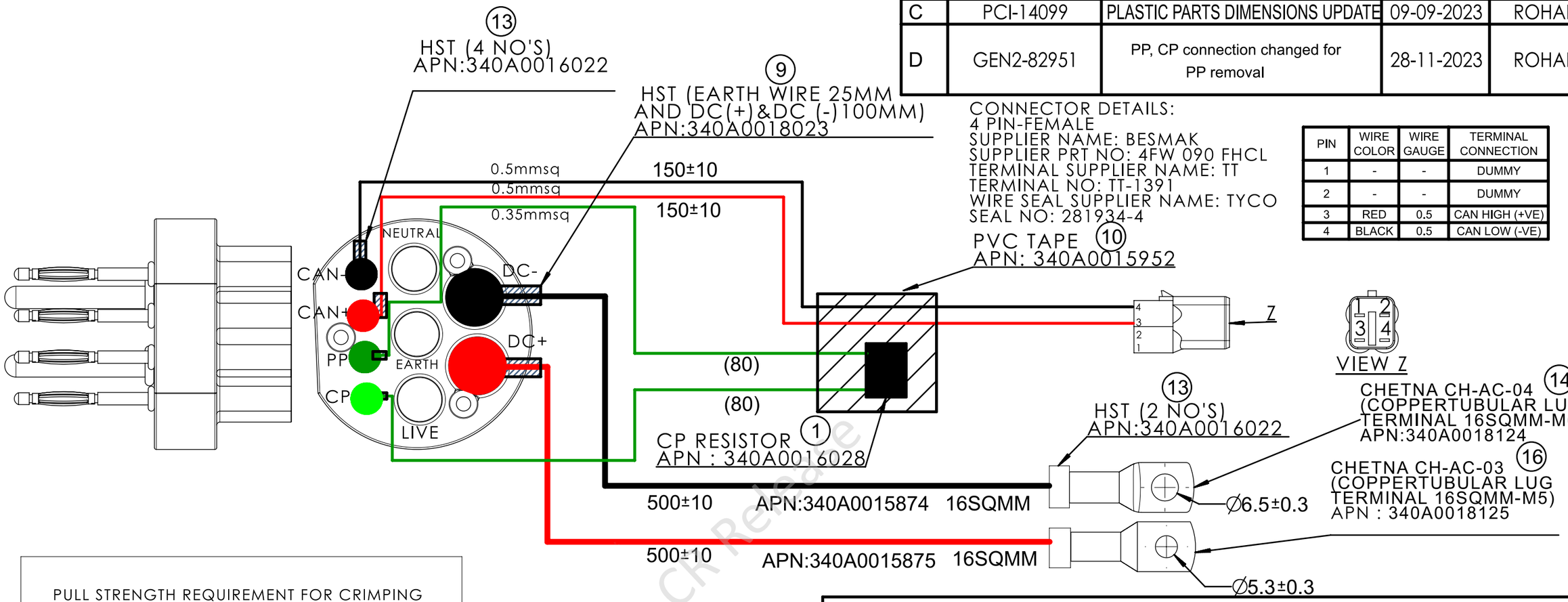
SC SPECIFIC CRITERIA CC CRITICAL CRITERIA A APPEARANCE/ ITEM

REV	ECN / ECR NO	DESCRIPTION	DATE	APPD
A		PRODUCTION RELEASE	25/05/2022	ROHAN
B		SOLIDWORKS TO NX MIGRATION	-	-
C	PCI-14099	PLASTIC PARTS DIMENSIONS UPDATE	09-09-2023	ROHAN
D	GEN2-82951	PP, CP connection changed for PP removal	28-11-2023	ROHAN

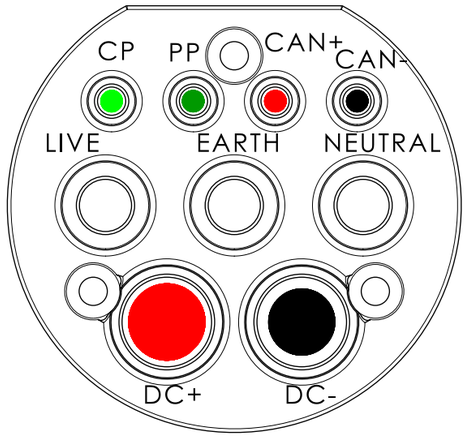


CONNECTOR DETAILS:
4 PIN-FEMALE
SUPPLIER NAME: BESMAK
SUPPLIER PRT NO: 4FW 090 FHCL
TERMINAL SUPPLIER NAME: TT
TERMINAL NO: TT-1391
WIRE SEAL SUPPLIER NAME: TYCO
SEAL NO: 281934-4

PIN	WIRE COLOR	WIRE GAUGE	TERMINAL CONNECTION
1	-	-	DUMMY
2	-	-	DUMMY
3	RED	0.5	CAN HIGH (+VE)
4	BLACK	0.5	CAN LOW (-VE)

PULL STRENGTH REQUIREMENT FOR CRIMPING

DC TERMINAL : 30 Kg min.
SIGNAL TERMINAL(0.5 SQMM) : 6 Kg min.
SIGNAL TERMINAL(0.35 SQMM): 4 Kg min.



WIRE DETAILS

NOTES
1. ALL WIRE USED ARE FLRY-B AS PER ISO 6722 AND ATHER STANDERDS
2. VIEW OF ALL CONNECTOR ARE SHOWN FROM WIRE INSERTION SIDE.
3. ALL DIMENSIONS ARE FROM REAR END OF CONNECTOR.
4. WIRING HARNESS TO BE KEPT FREE FROM DUST, OIL AND MOISTURE FREE ENVIRONMENT.
5. ENTANGLING OF WIRES IS NOT PERMISSIBLE WHILE INSERTING INTO CONNECTORS.
6. SUFFICIENT WIRE DIMINESIONS TO BE MAINTAIED BY THE SUPPLIER TO ENSURE WIRES ARE NOT STRESSED FROM END OF CONNECTORS TO THE TERMINAL CRIMPED AREA.
7. ALL DIMENSIONS ARE IN MM.
8. REFER ATHER STANDARD FOR CONNECTOR SPECIFICATION AND PIN MAPPING DETAILS. (APN: 340A0017461)

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ATHER

DATUM A	
DATUM B	
DATUM C	
SC	
CC	
A	

	NAME	DATE
DRAFT	MAHARAJA	28-11-2023
ENGG	ROHAN M	28-11-2023
NPD	CHETAN	28-11-2023
APPD	ROHAN	28-11-2023

THIRD ANGLE PROJECTION

MATERIAL: NA
UNIT: MM
HEAT TREATMENT: NA
FINISH: NA
PROJECT: 450X
TITLE: VEHICLE INLET HARNESS (3.6 KW)
DRAWING NO: BE0802A004MNN
REV NO: D
SHEET 1 OF 2
SCALE: NTS
WEIGHT (Kg): 0.390
SIZE: A3

CR Release

SC SPECIFIC CRITERIA CC CRITICAL CRITERIA A APPEARANCE/ ITEM

REV	ECN / ECR NO	DESCRIPTION	DATE	APPD
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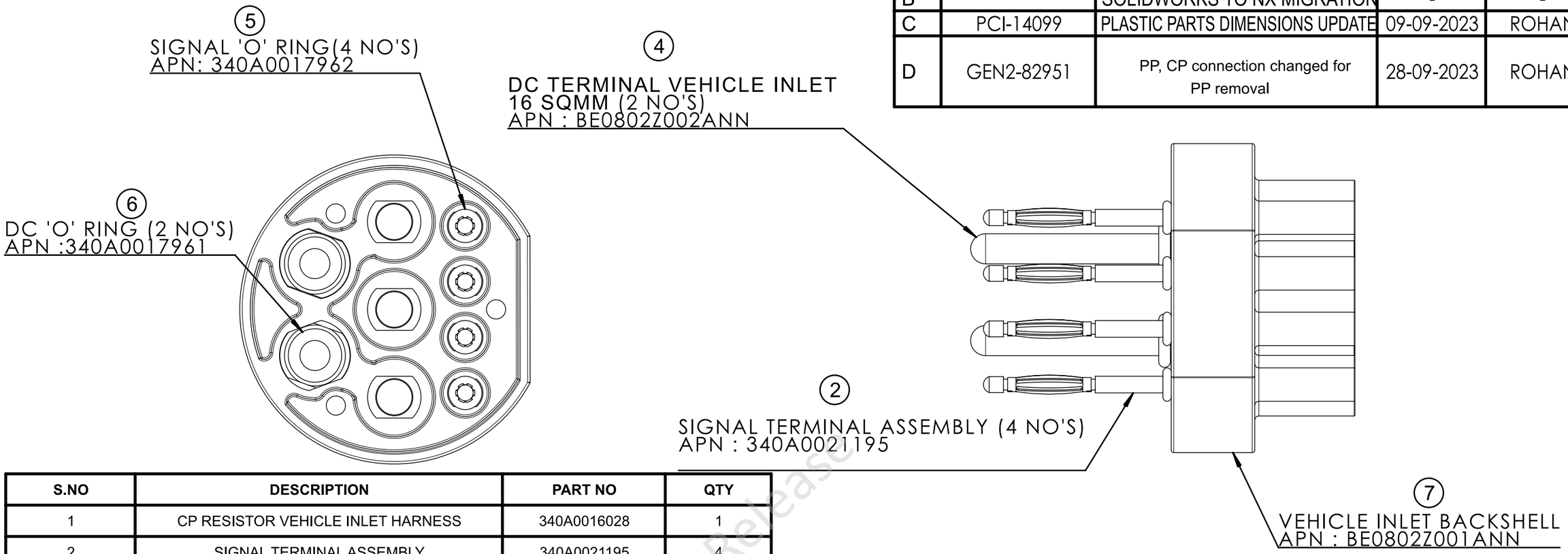

S.NO	DESCRIPTION	PART NO	QTY
1	CP RESISTOR VEHICLE INLET HARNESS	340A0016028	1
2	SIGNAL TERMINAL ASSEMBLY	340A0021195	4
3	BESMAC 4FW 090 FHCL (NATURAL COL)	340A0008245	1
4	DC TERMINAL VEHICLE INLET (3.6 KW)	BE0802Z002ANN	2
5	O RING SIGNAL VEHICLE INLET	340A0017962	4
6	O RING AC AND DC VEHICLE INLET	340A0017961	2
7	VEHICLE INLET BACK SHELL	BE0802Z001ANN	1
8	WOER SBRS-(3X)GLW FLEXIBLE THICK ADHESIVE HST (ID 4.8 mm)	340A0018037	1
9	WOER W-1-H(RSFR-H) (HST 12MM)	340A0018023	1
10	TESA 4173 PV2 (19 MM PVC TAPE)	340A0015952	1
11	TT-1391(CRIMP TERMINAL FEMALE 20-22AWG TIN PLATED)	340A0015932	2
12	TE 281934 (20AWG WIRE SEAL)	340A0015559	2
13	WOER W-1-H(RSFR-H) (HST 14MM)	340A0016022	4
14	CHETNA CH-AC-04 (COPPER TUBULAR LUG TERMINAL 16SQMM - M6)	340A0018124	1
15	090 SERIES 3 GROOVE DUMMY SEAL	BF0801Z002ANN	2
16	CHETNA CH-AC-03 (COPPER TUBULAR LUG TERMINAL 16SQMM - M5)	340A0018125	1
17	CABLE VEHICLE INLET DC	BE0802A005MNN	1
18	CABLE CP PP CAN EARTH	ES00001330	1

CR Release

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ATHER

MATERIAL:	UNIT:	HEAT TREATMENT:	FINISH:
NA	MM	NA	NA

	NAME	DATE
DRAFT	MAHARAJA	28-11-2023
ENGG	ROHAN M	28-11-2023
NPD	CHETAN	28-11-2023
APPD	ROHAN	28-11-2023

THIRD ANGLE PROJECTION

PROJECT: 450X

TITLE: VEHICLE INLET HARNESS (3.6 KW)

DRAWING NO: BE0802A004MNN

REV NO: D

SHEET 2 OF 2 | SCALE: NTS | WEIGHT (Kg): 0.390 | SIZE: A3