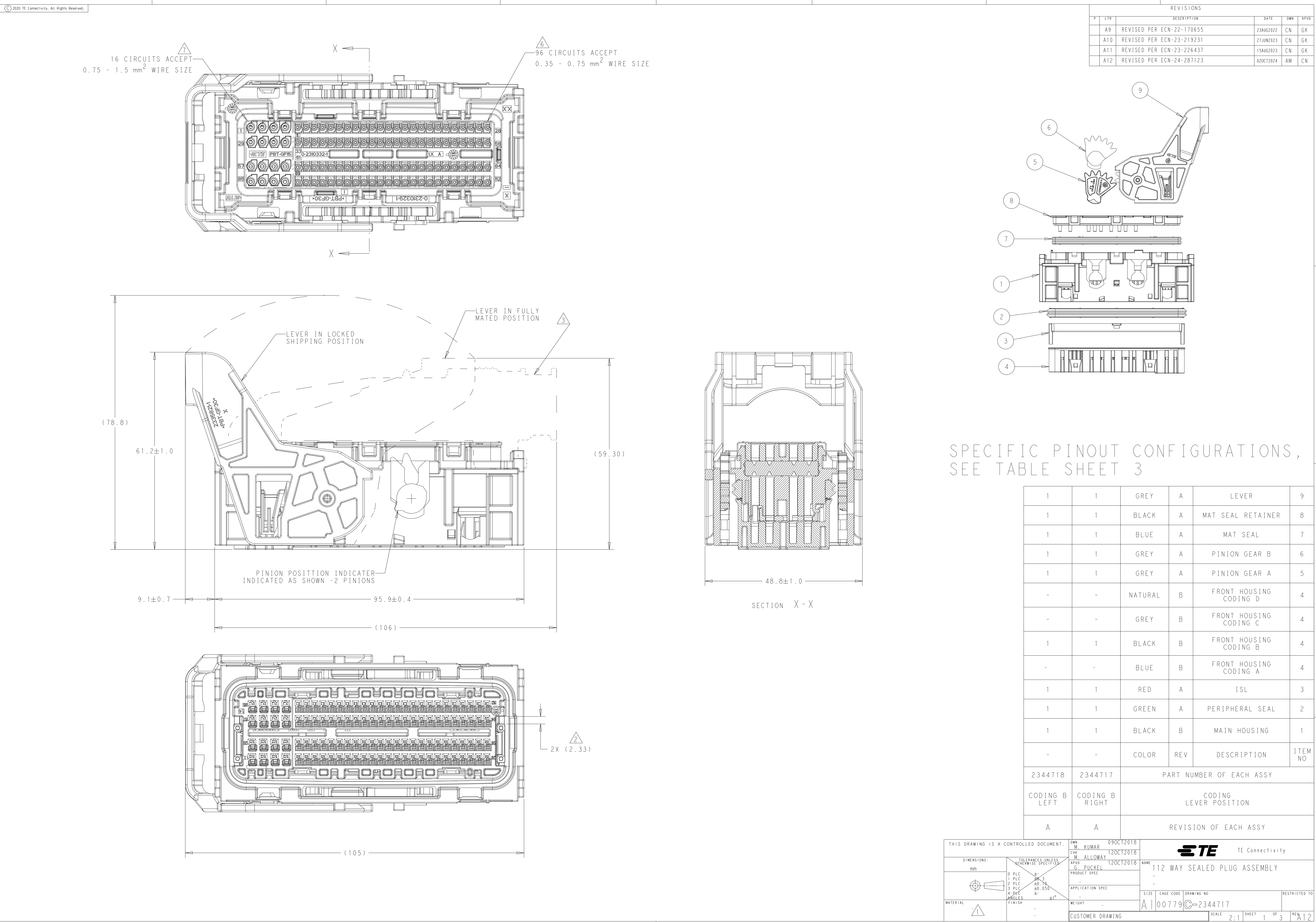




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REVISIONS

P	LYR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

1

MATERIALS:

MAIN HOUSING : PBT, 30% GF, BLACK
PERIPHERAL SEAL : SILICONE, 30 DUROMETER SHORE A, GREEN
ISL : PBT, 30% GF, RED
FRONT HOUSING : PA66, 35% GF, BLACK LS
PINION GEAR RIGHT : PBT, 30% GF, GREY
PINION GEAR LEFT : PBT, 30% GF, GREY
MAT SEAL : SILICONE, 18 DUROMETER SHORE A, BLUE
MAT SEAL RETAINER : PBT, 15% GF, BLACK LS
LEVER : PBT, 30% GF, GREY

2

ISL SHOWN IN OPEN,SHIPPING POSITION.

3

WIRE DRESS COVER ASSEMBLY, TE P/N 2360105-1, IS REQUIRED AND SOLD AS A SEPARATE PART. WIRE LOADING IS LIMITED BY AVAILABLE VOLUME AND WIRE ORGANIZATION UNDER THE COVER ASSEMBLY. COVER IS DESIGNED TO ACCOMMODATE 72 WIRES OF NOMINAL CONSTRUCTION, WELL ORGANIZED. OTHER LOADING CONFIGURATIONS MAY BE POSSIBLE DEPENDING ON WIRE SIZE. CONTACT RESPONSIBLE TE ENGINEER AT DEVELOPMENT STAGE FOR CONSULTATION. TO AID COVER ATTACHMENT, MAXIMUM HEIGHT OF DRESSED WIRE BUNDLE ABOVE MAT SEAL RETAINER SHOULD BE 33 MILLIMETERS.

4

REFER TO TE DRWG 208-32021 FOR MATING INTERFACE DETAILS.

5

REFERENCE INSTRUCTION SHEET 408-32280 FOR CONNECTOR HANDLING AND USE.

6

APPLICABLE 0.64 GENERATION Y TERMINALS:

1-2138699-4 (0.35mm² WIRE)
1-2138699-1 (0.5mm² WIRE)
1-2138699-2 (0.75mm² WIRE)

7

APPLICABLE 1.2 MCON TERMINALS:

1670144-3 (0.75mm² WIRE)
1452503-3 (1.0-1.5mm² WIRE)

8

LAYER PACKAGING

PACKAGE TYPE	PART NUMBER	QTY
SHIPPING BOX	0-973056-1	1
CORRUGATED INSERT	0-973163-1	4
PAPER CUSHION	0-740045-1	2

9

NOTE REMOVED

10

CONNECTOR CLASSIFICATION:GM3191 JUNE 2012,
TEMP CLASSS T2 (-40° TO 105°C AMBIENT TO CONN SYS)
125°C OPERATING ENVIRONMENT AT TERMINALS
VIBRATION CLASS: GMPT CTS PROFILE
SEALING CLASS S3 (HIGH PRESSURE SPRAY & IMMERSION TO 1m)
GMW3172 NOVEMBER 2012 POWERTRAIN UNDERHOOD TEST FLOW LEGS 1-4,
VIBRATION PROFILE PER TABLE, 8 HRS EACH AXIS WITH TEMPERATURE CYCLES

BREAKPOINT	POWER SPECTRAL DENSITY (G ² /Hz)	FREQUENCY (Hz)
1	0.02	10
2	0.05	20
3	0.05	100
4	0.001	800
5	0.001	2000

11

TERMINALS VALIDATED FOR THIS CONNECTOR: SEE NOTES.
PRODUCT QUALIFICATION TESTING CONDUCTED MATED TO SPECIFIED INTERFACE WITH 1.2mm CIRCUITS ENERGIZED AT 8.1 AMPS, ALL CIRCUITS ENERGIZED CONCURRENTLY AND ON LARGEST WIRE SIZE. ADDITIONAL QUANTITY OF 16X-0.64mm CIRCUITS POWERED AT 4 AMPS CONCURRENTLY WITH ABOVE ON MAXIMUM WIRE SIZE.
(CONTACT CONNECTOR DRE IF DEVIATION IS NEEDED).

12

CONNECTOR SHIPPED WITH THE CPA AND ISL IN THE PRE-LOCK POSITION.

13

REFERENCE TE INSTRUCTION SHEET 408-32280 FOR HARNESS MANUFACTURE AND VEHICLE ASSEMBLY PLANT ASSEMBLY/ DISASSEMBLY AND REPAIR INSTRUCTIONS.

14

THE FOLLOWING DEVIATIONS APPLY TO ACCEPTANCE CRITERA OF ABOVE SPECIFICATIONS:

ISL PRE-LOCK TO LOCK AND LOCK TO PRE-LOCK TESTED BY ACTUATING ISL COLUMNS INDIVIDUALLY AS SHOWN IN INSTRUCTION SHEET 408-32280.

NO LEVER "POP-UP" AT PRE-SEATING TO DEVICE.

FOR MATING WITH SPECIFIED INTERFACE, WORST CASE CONTACT WIPE CAN BE BELOW 1.0mm FOR ALL CONTACTS. STATISTICAL BEST FIT IS GREATER THAN 1.0mm FOR ALL CONTACTS.

LEVER RETENTION IN SHIPPING POSITION IS 127N MINIMUM.

15

A SIX DIGIT MARKING ACC. TABLE (SEE SHEET 3)
LOCATED ON FRONT OF FEMALE HOUSING.

16

CAVITY PLUGS FOR GENY 0.64MM CIRCUITS: TE PN 1612108-4
CAVITY PLUGS FOR 1.2 MCON CIRCUITS: TE PN 1-1452424-2

4805 (3/13)

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
M. KUMAR
CHK
M. ALLOWAY
APVD
S. PUCKEL

09OCT2018
12OCT2018
12OCT2018

DIMENSIONS:
mm

0 PLC
1 PLC
2 PLC
3 PLC
4 PLC
ANGLES
FINISH

±.3
±.3
±0.18
±0.050
±.1°
-

MATERIAL
-

-

NAME
112 WAY SEALED PLUG ASSEMBLY

SIZE
A

CAGE CODE
00779

DRAWING NO
2344717

RESTRICTED TO

CUSTOMER DRAWING

SCALE
2:1

SHEET
2

OF
3

REV
A12

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