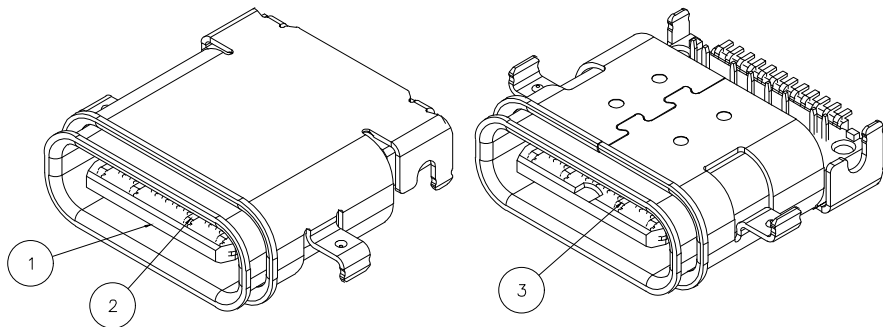




NOTES:

1. CONNECTOR MATERIALS:
 - 1.1. SEE TABLE
2. ELECTRICAL CHARACTERISTICS:
 - 2.1. LOW LEVEL CONTACT RESISTANCE: INITIAL: 40 mΩ MAX., AFTER 50 mΩ MAX.
 - 2.2. DIELECTRIC WITHSTANDING VOLTAGE: 100VAC FOR ONE MINUTE AT SEA LEVEL
 - 2.3. INSULATION RESISTANCE: 100MΩ MIN. AT 250VDC
 - 2.4. CURRENT RATING: 5A (VBUS PIN 1.5A/PIN), 5A (GND PIN 1.25A/PIN MAX.), 0.25A/PIN (OTHER PINS)
3. MECHANICAL CHARACTERISTICS:
 - 3.1. MATING FORCE: 5–20N
 - 3.2. UN-MATING FORCE: 8–20N; 6–20N AFTER 10,000 CYCLES
 - 3.3. DURABILITY: 10,000 CYCLES
4. ENVIRONMENTAL:
 - 4.1. OPERATING TEMPERATURE RANGE: –40°C TO 85°C
 - 4.2. SALT SPRAY TEST: 48 HRS. MIN. (NO OXIDATION OR RUST)
 - 4.3. WATER RESISTANCE: IPX7 (IMMERSED UP TO 1 METER FOR 30 MINUTES)
5. ADDITIONAL GASKETS MAY BE ORDERED AS STEWART CONNECTOR PART NUMBER 52400–001.



8	1	REAR SEAL	EPOXY	BLACK
7	1	OUTER SHILD	STAINLESS STEEL	NI
6	1	INNER SHIELD	STAINLESS STEEL	NI
5	1	GROUND PLATE	STAINLESS STEEL	NI
4	1	MID-PLATE	STAINLESS STEEL	NONE
3	12	TERMINAL B	COPPER ALLOY	15u" Au CONTACT AREA TIN SOLDER TAILS
2	12	TERMINAL A	COPPER ALLOY	15u"Au CONTACT AREA TIN SOLDER TAILS
1	1	HOUSING	THERMAL PLASTIC UL94 V-0	BLACK
ITEM	QTY	NAME	MATERIAL	FINISH
PART NUMBER SS-52400-004				

UNLESS OTHERWISE
SPECIFIED, TOLERANCES ARE:

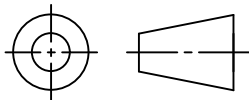
.XXX [X.XX]	±0.008 [0.20]
.XX [X.X]	±0.012 [0.30]
.X [X.]	±0.015 [0.38]

ANGULAR

.XXX° [X.XX°]	±1°
.XX° [X.X°]	±3°
.X° [X.°]	±5°



THIRD ANGLE PROJECTION

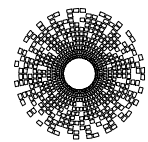


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DRAWING IS SUBJECT TO

DIMENSIONS: INCHES [METRIC]

SHEET NO. 1 OF 2



stewart
CONNECTOR
a bel group

11118 Susquehanna Trail South
Glen Rock, PA 17327-9199
(717) 235-7512

<http://www.stewartconnector.com>

TITLE: USB 3.1 TYPE C WATERPROOF DIP TYPE
CL HEIGHT FROM PCB .012" .30mm

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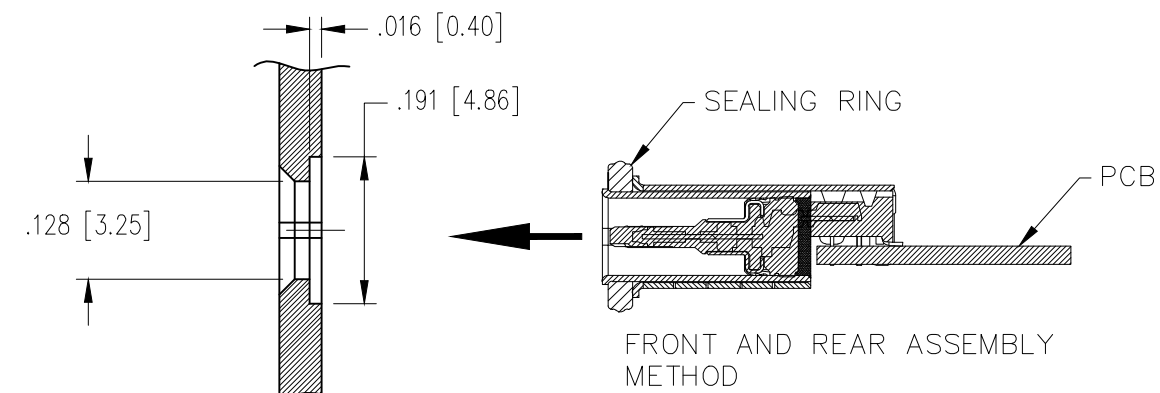
DRN BY: CWM

APPD BY: AR

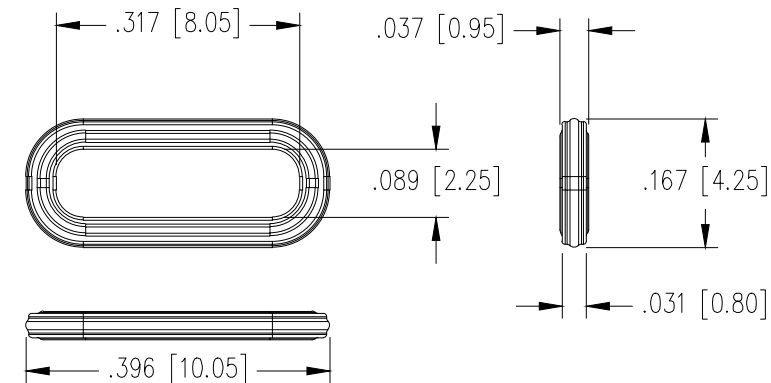
[Back](#)

DWG NO. CT52

SUGGESTED SEALING METHOD



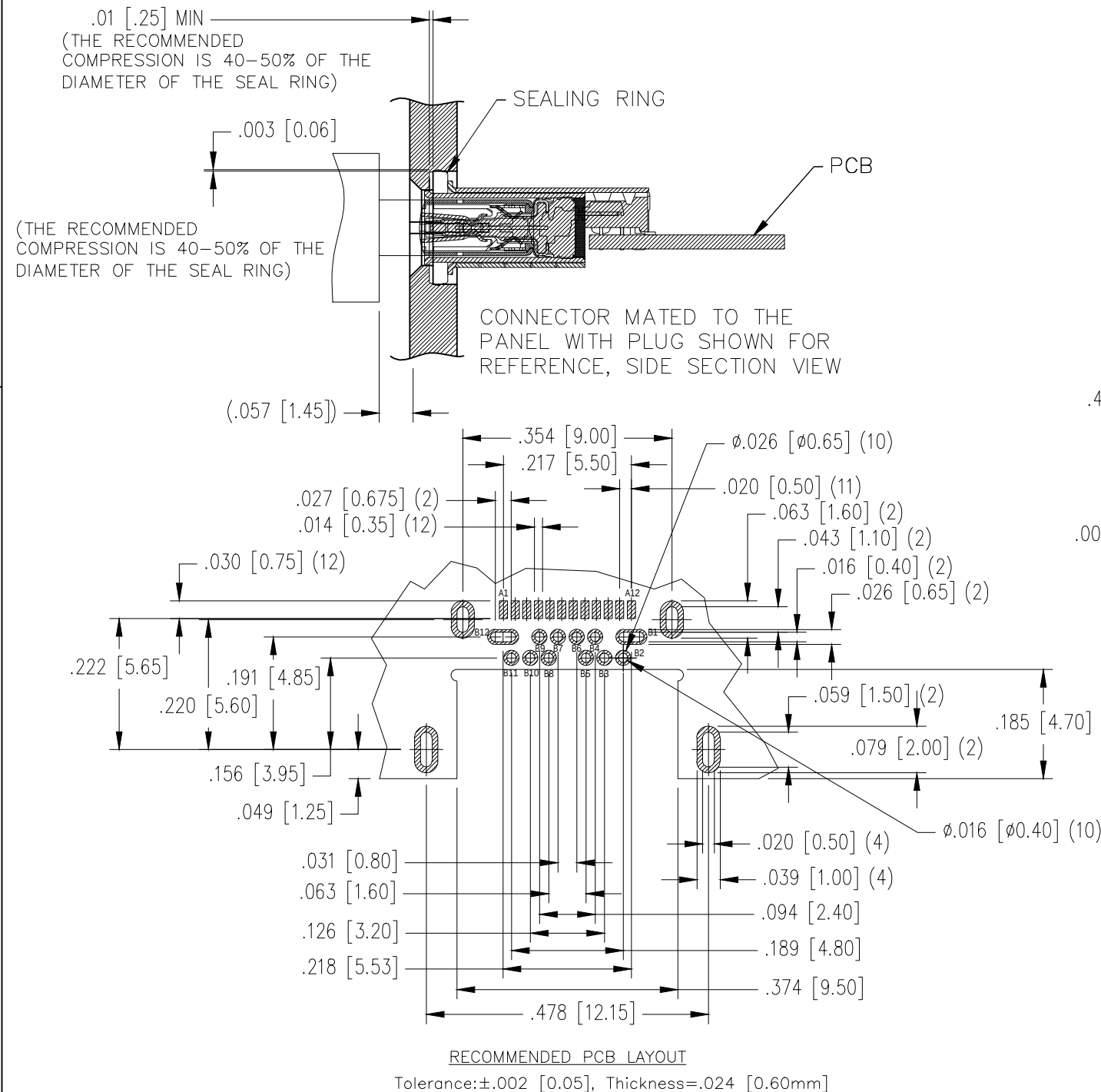
FRONT AND REAR ASSEMBLY METHOD



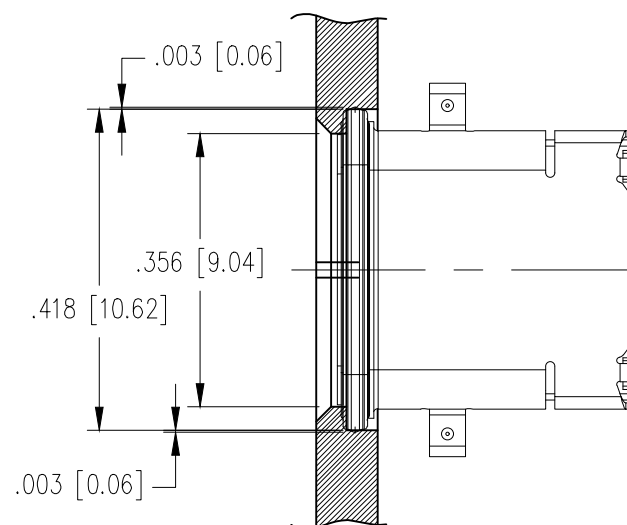
STEWART CONNECTOR P/N 52400-001
RECOMMENDED GASKET SPECIFICATIONS
(MATERIAL SILICONE RUBBER)

NOTE:
ADDITIONAL GASKETS MAY BE ORDERED
AS STEWART CONNECTOR PART NUMBER
52400-001.

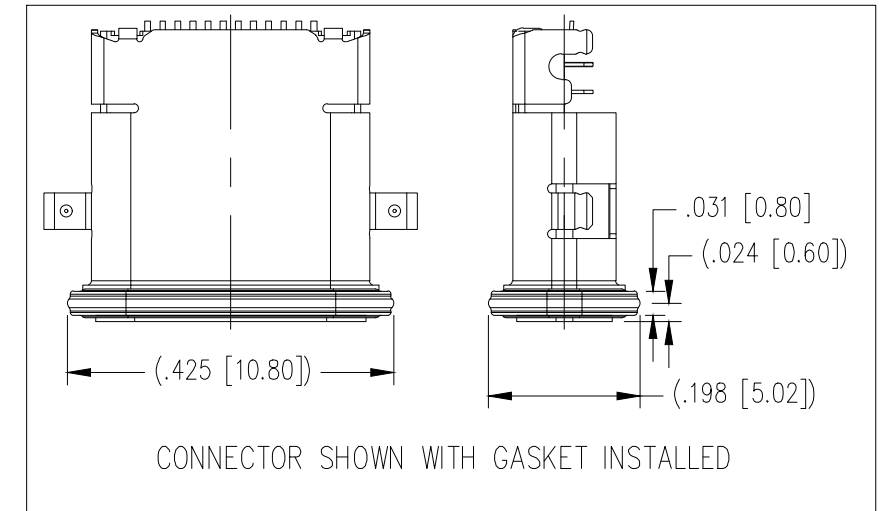
B



RECOMMENDED PCB LAYOUT
Tolerance: ±.002 [0.05], Thickness=.024 [0.60mm]



CONNECTOR MATED TO THE
PANEL, TOP VIEW



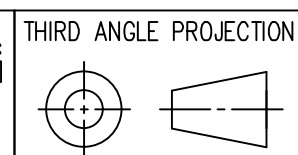
CONNECTOR SHOWN WITH GASKET INSTALLED

A

A

UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE:	
.XXX [X.XX]	±.008 [0.20]
.XX [X.X]	±0.012 [0.30]
.X [X.]	±0.015 [0.38]
ANGULAR	
.XX' [X.XX']	±1'
.XX" [X.X"]	±3'
.X' [X.]	±5'

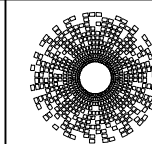
RoHS



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SHEET NO. 2 OF 2



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DRN BY:	GWL	DATE	01/04/21
APPD BY:	AB	DATE	01/05/21
DWG NO.	CT520013	REV.	A2