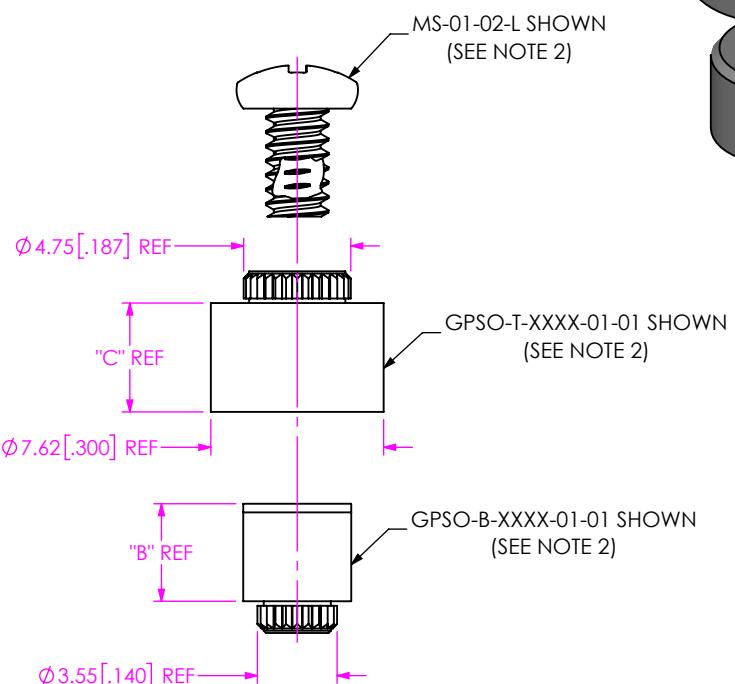
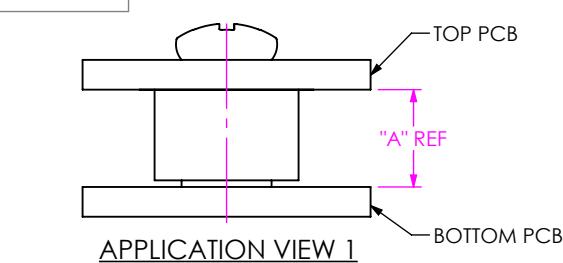
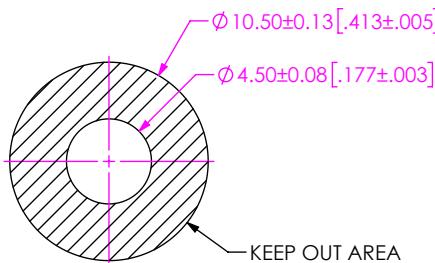
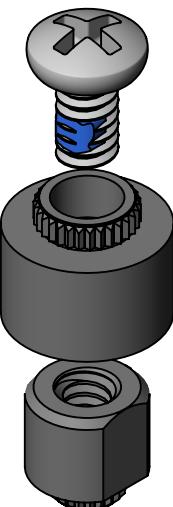
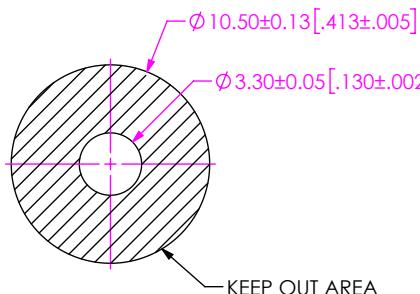


DO NOT
SCALE FROM
THIS PRINTFIG 1
GPSO-XXXX-01-01 SHOWNRECOMMENDED BOARD
CUTOUT (PRESS-IN) FOR TOP PCBRECOMMENDED BOARD
CUTOUT (PRESS-IN) FOR BOTTOM PCB

GPSO-XXXX-XX-XX-X

BOARD STACK HEIGHT
SEE TABLE 1

LEAD STYLE

- 01: PRESS-IN
- 02: PRESS-IN WITH NUT

KIT OPTION

- N: NO HARDWARE (STANOFF ONLY; SEE TABLE 2, SHT 2)
- (LEAVE BLANK FOR KIT)

MATERIAL

- 01: 303 STAINLESS STEEL W/ MIL-C-13924 BLACK OXIDE FINISH

TABLE 1

| BOARD STACK HEIGHT | "A" | "B" | "C" |
|--------------------|---------------|---------------|---------------|
| -0400 | 4.00 [.157] | 3.15 [.124] | 3.65 [.144] |
| -0500 | 5.00 [.197] | 4.15 [.163] | 4.65 [.183] |
| -0515 | 5.15 [.203] | 4.30 [.169] | 4.80 [.189] |
| -0700 | 7.00 [.276] | 6.15 [.242] | 6.65 [.262] |
| -0715 | 7.15 [.281] | 6.30 [.248] | 6.80 [.268] |
| -0800 | 8.00 [.315] | 7.15 [.281] | 7.65 [.301] |
| -0815 | 8.15 [.321] | 7.30 [.287] | 7.80 [.307] |
| -0865 | 8.65 [.341] | 7.80 [.307] | 8.30 [.327] |
| -0900 | 9.00 [.354] | 8.15 [.321] | 8.65 [.341] |
| -0915 | 9.15 [.360] | 8.30 [.327] | 8.80 [.346] |
| -1000 | 10.00 [.394] | 9.15 [.360] | 9.65 [.380] |
| -1015 | 10.15 [.400] | 9.30 [.366] | 9.80 [.386] |
| -1115 | 11.15 [.439] | 10.30 [.406] | 10.80 [.425] |
| -1200 | 12.00 [.472] | 11.15 [.439] | 11.65 [.459] |
| -1215 | 12.15 [.478] | 11.30 [.445] | 11.80 [.465] |
| -1315 | 13.15 [.518] | 12.30 [.484] | 12.80 [.504] |
| -1415 | 14.15 [.557] | 13.30 [.524] | 13.80 [.543] |
| -1515 | 15.15 [.596] | 14.30 [.563] | 14.80 [.583] |
| -1524 | 15.24 [.600] | 14.39 [.567] | 14.89 [.586] |
| -1615 | 16.15 [.636] | 15.30 [.602] | 15.80 [.622] |
| * -1715 | 17.15 [.675] | 16.30 [.642] | 16.80 [.661] |
| * -1890 | 18.90 [.744] | 18.05 [.711] | 18.55 [.730] |
| * -1915 | 19.15 [.754] | 18.30 [.720] | 18.80 [.740] |
| * -2015 | 20.15 [.793] | 19.30 [.760] | 19.80 [.780] |
| * -2215 | 22.15 [.872] | 21.30 [.839] | 21.80 [.858] |
| * -2515 | 25.15 [.990] | 24.30 [.957] | 24.80 [.976] |
| * -3015 | 30.15 [1.187] | 29.30 [1.154] | 29.80 [1.173] |

(* = NOT TOOLED)

NOTES:

1. STANOFFS TO BE USED WITH 1.57 [.062] MIN THICK BOARDS THICK BOARDS. THREADED OPTIONS PCB MAX THICKNESS OF 3.16 [.124]
2. REFERENCE "KITTING ITEMS IN BAGS" IN THE SAMTEC PACKAGING MANUAL FOR PACKAGING INSTRUCTIONS.
3. STANOFFS ARE DESIGNED 0.15MM LONGER THAN FULLY MATED CONNECTOR STACK HEIGHT TO ALLOW FOR PROCESSING VARIABLES.
4. TORQUE TO 2.5 – 3.5 IN*LBS TO SECURE FASTENER IN A STATIC ENVIRONMENT ASSUMING RECOMMENDED BOARD TO BOARD DISTANCES ARE ACHIEVED WITHOUT DAMAGE TO THE PCB, HARDWARE OR OTHER COMPONENTS.
5. THREAD CLASS UNC 2A AND UNC 2B IS RECOMMENDED FOR CUSTOMER SUPPLIED HARDWARE.

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DO NOT SCALE DRAWING
MATERIAL: SHEET SCALE: 3:1
SEE PART CALL OUT FOR MATERIAL

samtec
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
BOARD TO BOARD GUIDEPOST STANOFF
DWG. NO.

GPSO-XXXX-XX-XX-X

BY: JERRY SU 09/08/2020 SHEET 1 OF 2

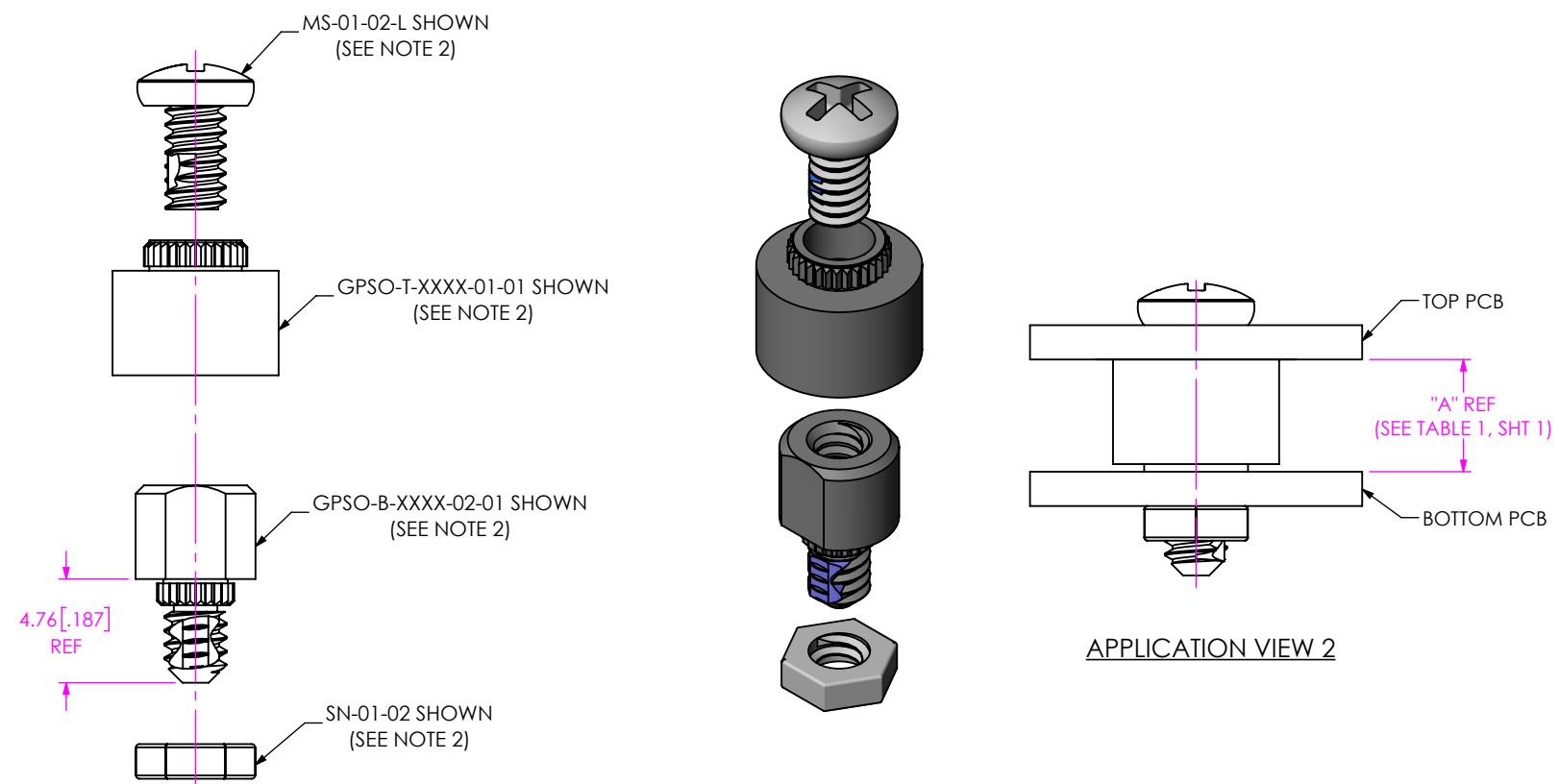


FIG 2
GPSO-XXXX-02-01 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 2 - BOM

| FINISHED GOOD | COMPONENT | DESCRIPTION | QTY |
|-------------------|-------------------|----------------|-----|
| GPSO-XXXX-01-XX-N | GPSO-T-XXXX-01-XX | TOP HOUSING | 1 |
| | GPSO-B-XXXX-01-XX | BOTTOM HOUSING | 1 |
| GPSO-XXXX-01-XX | GPSO-T-XXXX-01-XX | TOP HOUSING | 1 |
| | GPSO-B-XXXX-01-XX | BOTTOM HOUSING | 1 |
| | MS-01-XX-L | SCREW | 1 |
| GPSO-XXXX-02-XX-N | GPSO-T-XXXX-01-XX | TOP HOUSING | 1 |
| | GPSO-B-XXXX-02-XX | BOTTOM HOUSING | 1 |
| GPSO-XXXX-02-XX | GPSO-T-XXXX-01-XX | TOP HOUSING | 1 |
| | GPSO-B-XXXX-02-XX | BOTTOM HOUSING | 1 |
| | MS-01-XX-L | SCREW | 1 |
| | SN-01-XX | NUT | 1 |

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SHEET SCALE: 1:2

Samtec
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
BOARD TO BOARD GUIDEPOST STANDOFF
DWG. NO.
GPSO-XXXX-XX-XX-X
BY: JERRY SU 09/08/2020 SHEET 2 OF 2