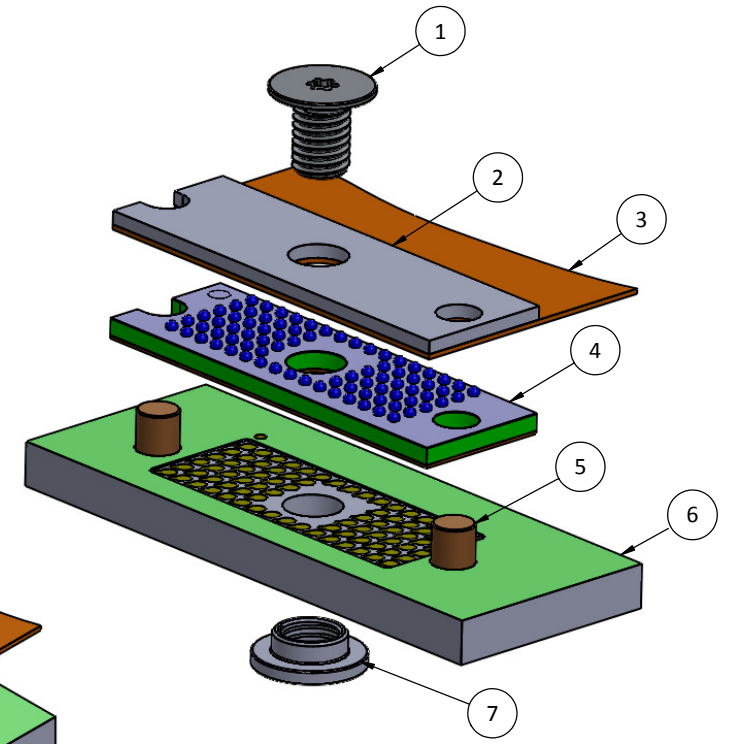
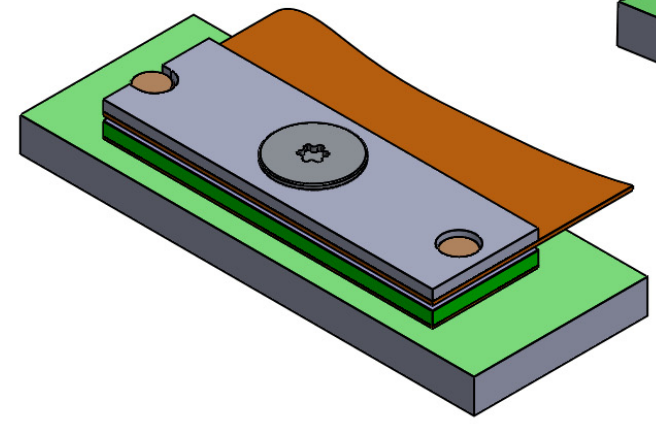
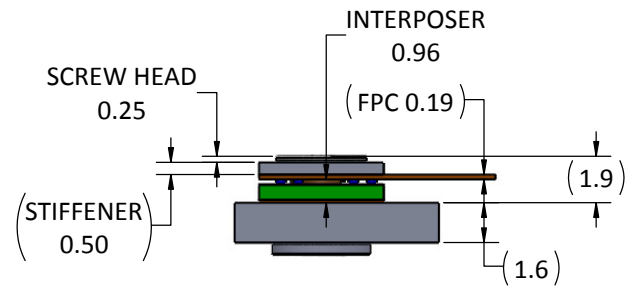
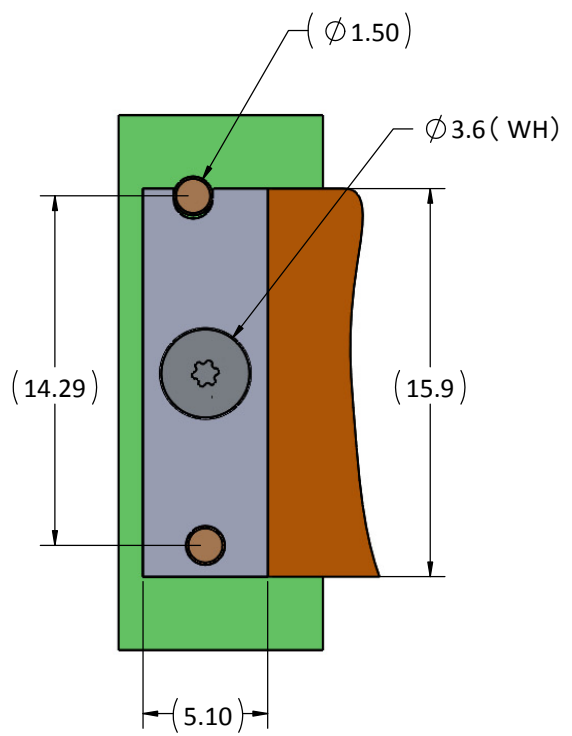


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ITEM NO.	DESCRIPTION	Default/QTY
1	SCREW, WAFERHEAD, M1.4	1
2	STIFFENER	1
3	FLEX	1
4	INTERPOSER	1
5	ALIGNMENT PIN	2
6	PCB	1
7	NUT, CUSTOM, M1.4	1



4020 MOORPARK AVE., SUITE 108.
SAN JOSE, CA 95117
TEL: 408-530-9393 FAX: 408-530-9383

DIMENSIONS ARE IN
MM [INCH]
.X ±
.XX ±
.XXX ±
ANGLE: NO DEC ±
.X ±
.XX ±

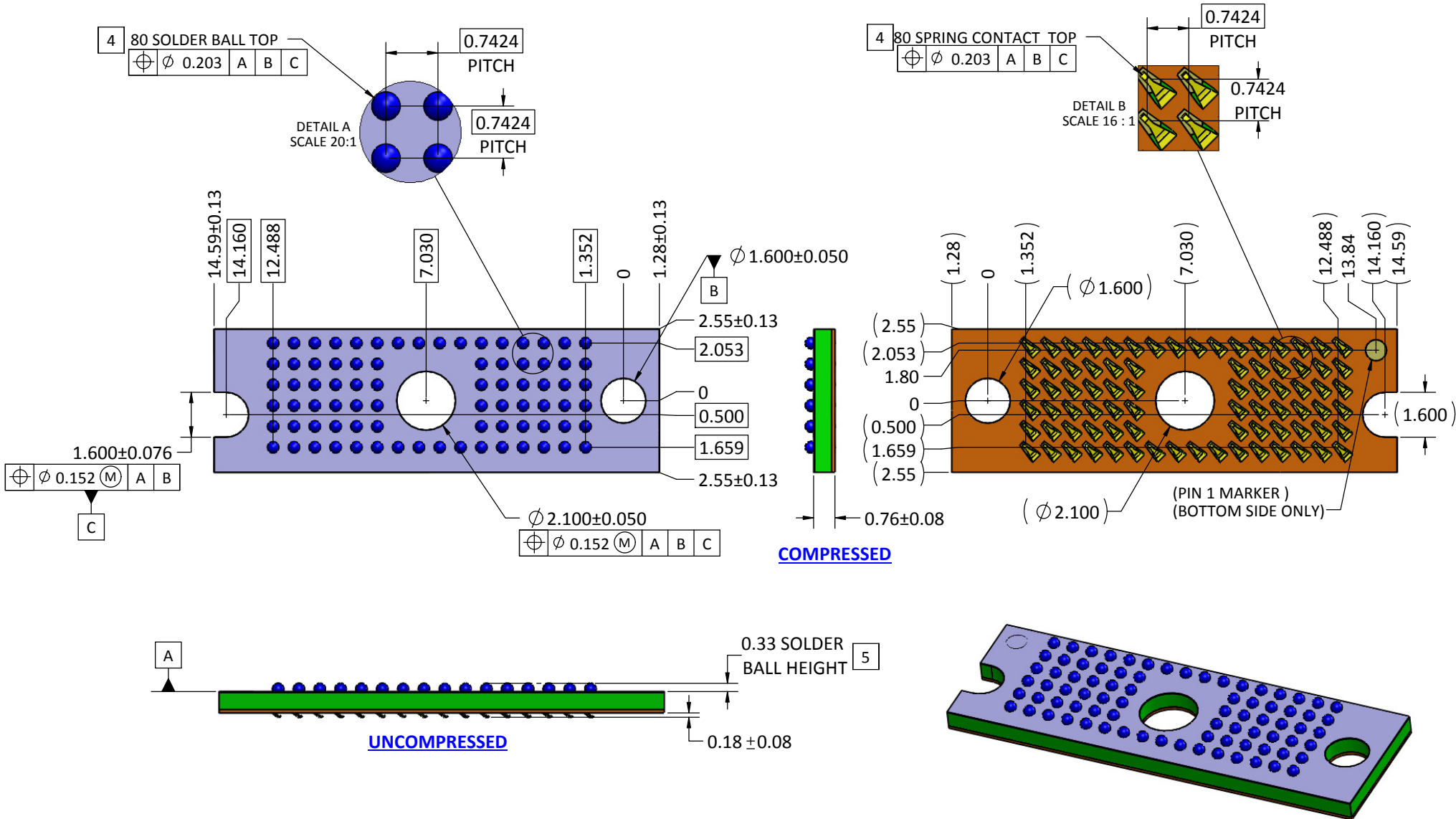
THIRD ANGLE

MATERIAL:
FINISH:
DESIGN BY: TAN NGUYEN 12-11-2017
CHECKED BY:
ENGR APPR:
MFG APPR:
QA APPR:

TITLE:
80 POSITIONS BGA-LGA
DWG NUMBER:
LPS-080A-ASY
SCALE: 5:1
SHEET 1 OF 8

REV
1

REVISIONS				
REV	ECO	DESCRIPTION	DATE	DESIGN BY:
1	0000	INITIAL RELEASE	12-11-2017	TAN



NOTES (UNLESS OTHERWISE SPECIFIED):

1. INTERPRET DRAWING PER ASME Y14.5-94.
2. HALOGEN-FREE PER IPC-4101B.
3. COMPLIANT WITH RoHS DIRECTIVE 2011/65/EU.

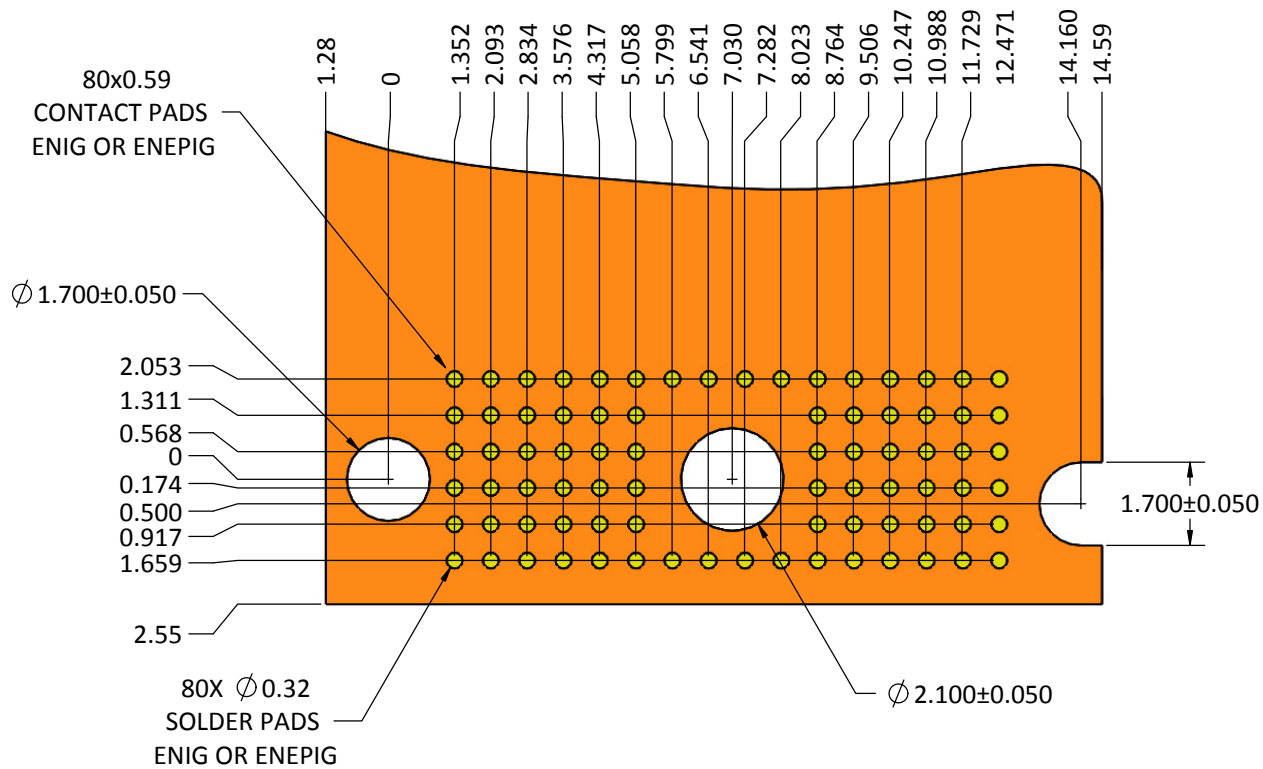
4 CENTER MARKS OF CONTACT POSITIONS ARE FOR COMPRESSED STATE.

5 0.33 DIMENSION WILL BE CHANGED TO APPROX 0.20 AFTER RE-LOW INTO PCB

		DIMENSIONS ARE IN MM [INCH] .X ± 0.13 [0.005] .XX ± 0.08 [0.003] .XXX ± 0.025 [0.001] ANGLE: NO DEC ± 1° .X ± 0.5° .XX ± 0.25°		MATERIAL: SEE NOTES FINISH: SEE NOTES DRAWN BY: TAN NGUYEN 12-11-2017 CHECKED BY: ENGR APPR: MFG APPR: QA APPR:		TITLE: 80 POSITIONS BGA-LGA	
		4020 MOORPARK AVE., SUITE 108. SAN JOSE, CA 95117 TEL: 408-530-9393 FAX: 408-530-9383		SIZE: B+		DWG NUMBER: LPS-080A	
						SCALE: 10:1	
						SHEET 2 OF 8	

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REVISIONS				
REV	ECN	DESCRIPTION	DATE	DESIGN BY:
1	0000	INITIAL RELEASE	12-11-2017	TAN



neoconix
4020 MOORPARK AVE., SUITE 108.
SAN JOSE, CA 95117
TEL: 408-530-9393 FAX: 408-530-9383

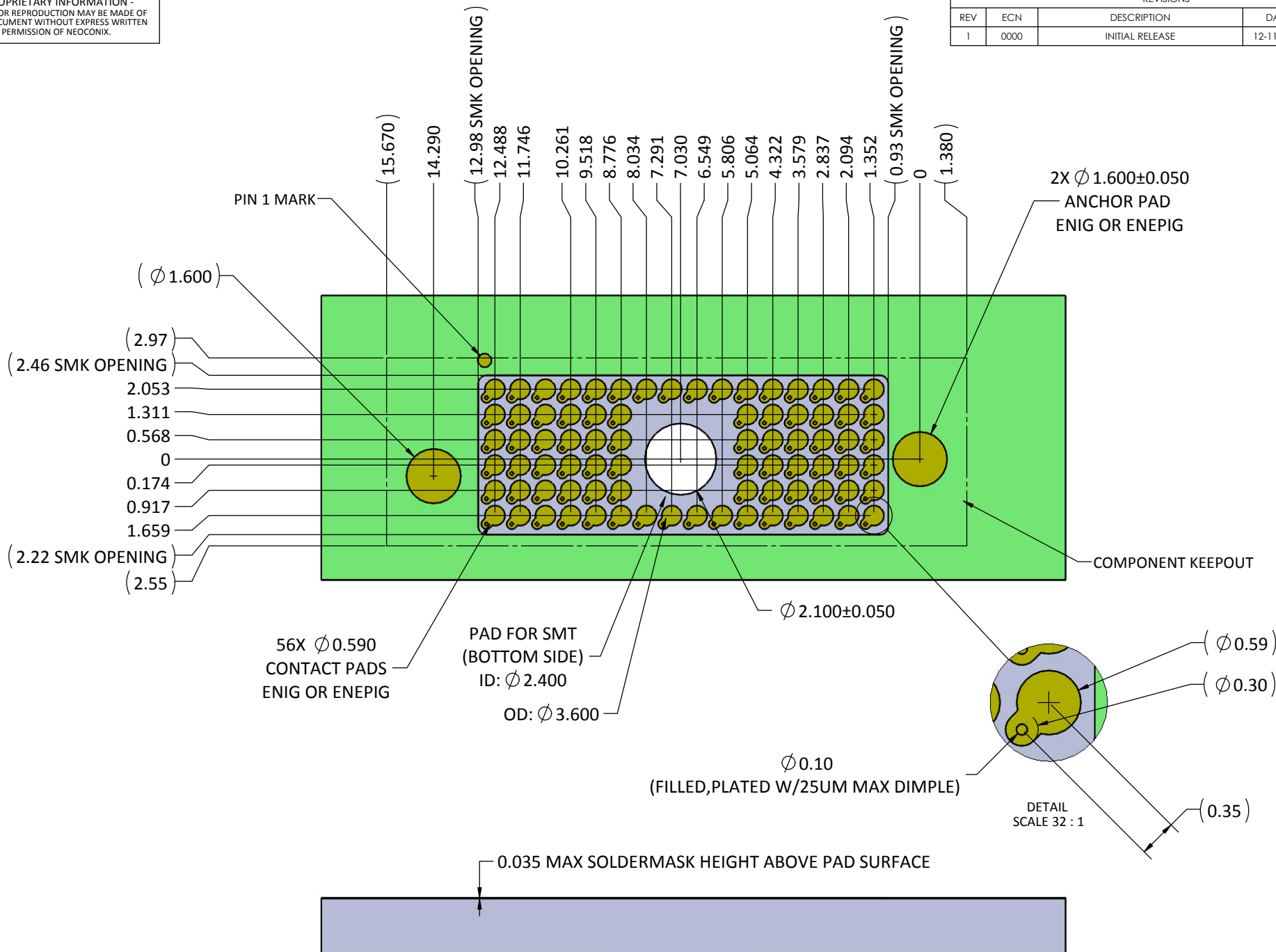
DIMENSIONS ARE IN
MM [INCH]
.X ± 0.13 [.005]
.XX ± 0.08 [.003]
.XXX ± 0.025 [.001]
ANGLE: NO DEC $\pm 1.5^\circ$
.X $\pm 0.5^\circ$
.XX $\pm 0.25^\circ$

MATERIAL:
FINISH:
DRAWN BY: TAN NGUYEN 07-05-2016
CHECKED BY:
ENGR APPR:
MFG APPR:
QA APPR:

TITLE:
**RECOMMENDED FPC LAYOUT
80 POSITIONS BGA-LGA**

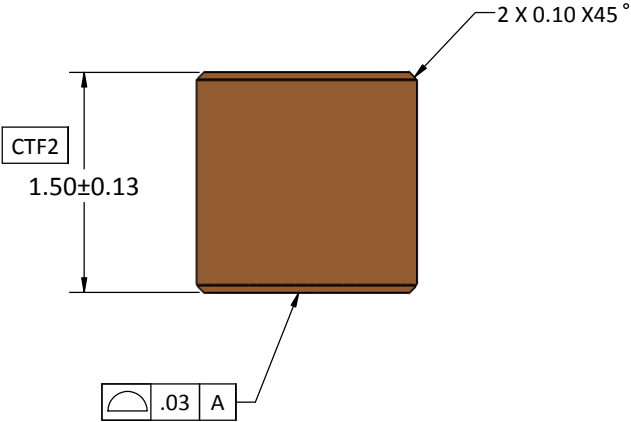
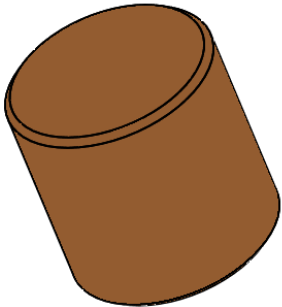
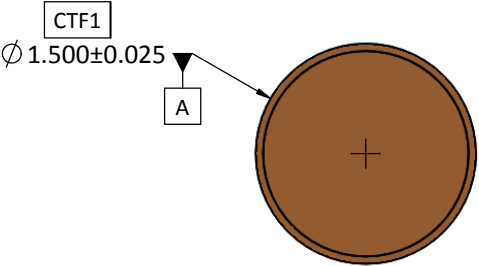
SIZE: B+
DWG NUMBER: LPS-080A-FPC
SCALE: 10:1
SHEET 3 OF 8
REV 1

REVISIONS				
REV	ECN	DESCRIPTION	DATE	DESIGN BY:
1	0000	INITIAL RELEASE	12-11-2017	TAN



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REVISIONS			
REV.	DESCRIPTION	DATE	DESIGN BY:
1	INITIAL	06/30/15	TAN



NOTES:(UNLESS OTHERWISE SPECIFIED)

1. MATERIAL: C54400 - PHOSPHOR BRONZE.
2. PLATE:SULFAMATE NICKEL, 3.5 +/-2.0 um PER ASTM B689-97(2008),
+ BRIGHT TIN, 5.0+/-2.0 um PER ASTM B545-97(2009).



715 N. PASTORIA AVE.
SUNNYVALE, CA 94085
TEL: 408-530-9393 FAX: 408-530-9372

DIMENSIONS ARE IN
MM [INCH]
.X ± 0.20 [.008]
.XX ± 0.10 [.004]
.XXX ± 0.025 [.001]
ANGLE: NO DEC ± 1.5°
.X ± 0.5°
.XX ± 0.25°

THIRD ANGLE

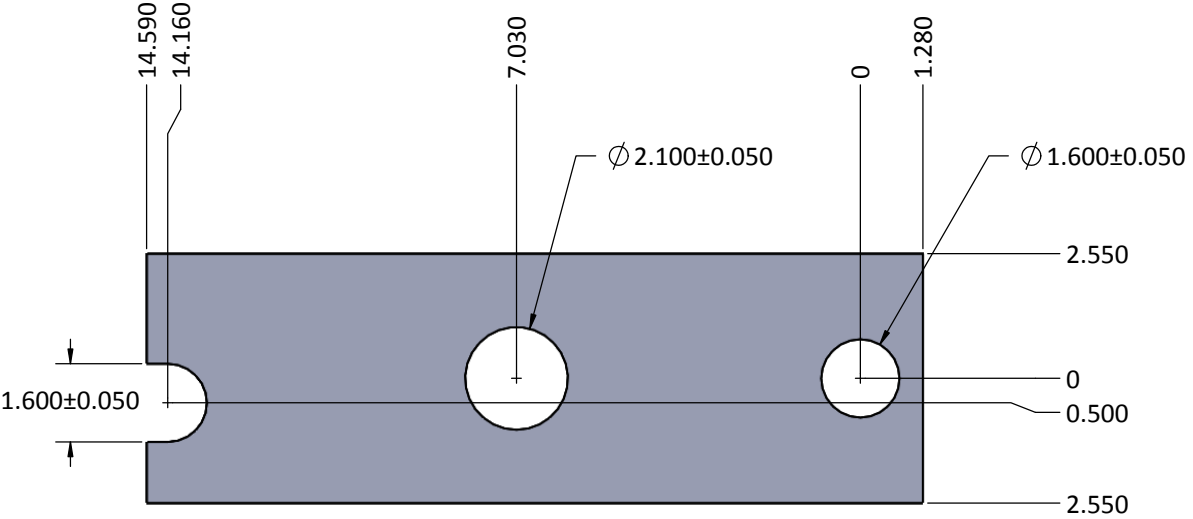
MATERIAL: SEE NOTES
FINISH: SEE NOTES
DRAWN BY: TAN NGUYEN 06/24/14
CHECKED BY:
ENGR APPR:
MFG APPR:
QA APPR:

TITLE:
ALIGNMENT PIN
(Ø 1.50 X 1.5mm LONG)

SIZE B+	DWG NUMBER B01-000639	REV 1
SCALE: 12:1		SHEET 5 OF 10

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REVISIONS				
REV	ECO	DESCRIPTION	DATE	DESIGN BY:
0	0000	INITIAL RELEASE	12-11-2017	TAN



NOTES (UNLESS OTHERWISE SPECIFIED):

- 1. INTERPRET DRAWING PER ASME Y14.5-94.

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TEL: 408-530-9393 FAX: 408-530-9383

DIMENSIONS ARE IN
MM [INCH]
.X ± 0.13 [.005]
.XX ± 0.08 [.003]
.XXX ± 0.025 [.001]
ANGLE: NO DEC ± 1.5°
.X ± 0.5°
.XX ± 0.25°

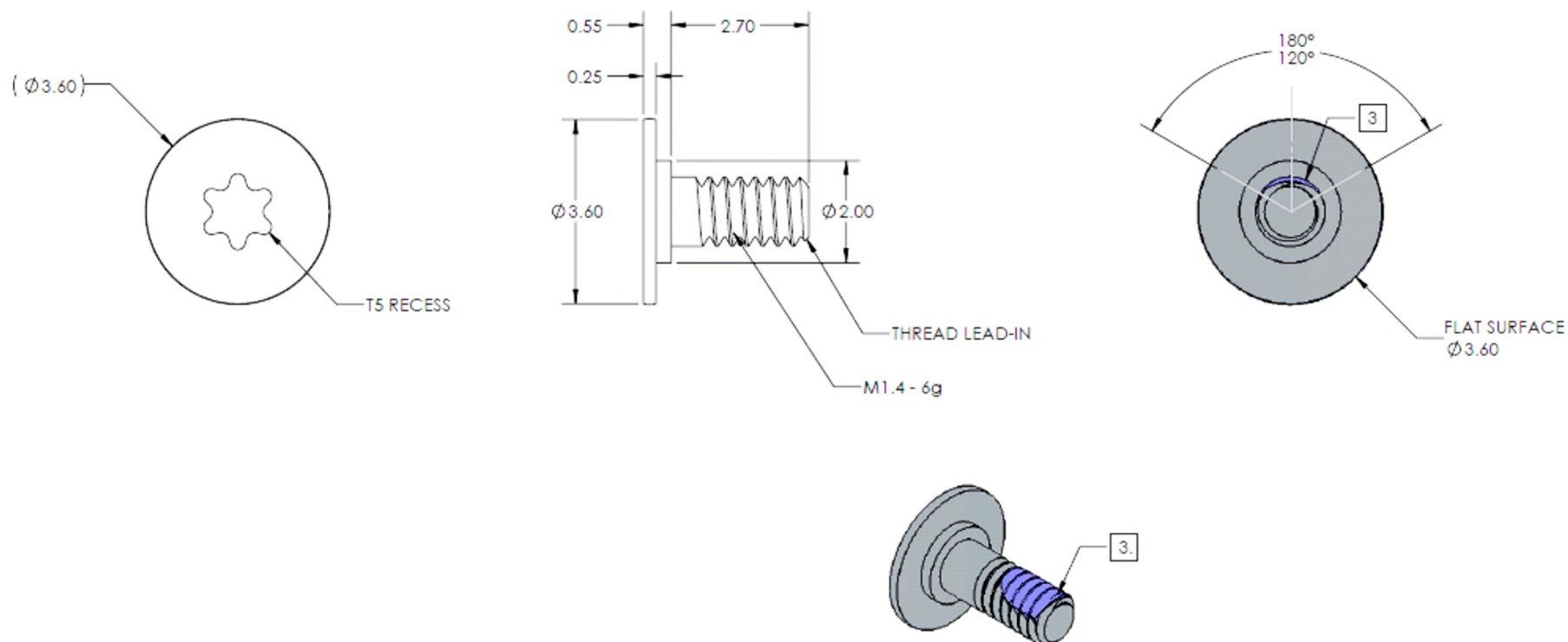
THIRD ANGLE

MATERIAL: 301 SS FULL HARD
FINISH: SEE NOTES
DRAWN BY: TAN NGUYEN 12-11-2017
CHECKED BY:
ENGR APPR:
MFG APPR:
QA APPR:

TITLE: STIFFENER, MB 80 POS
SIZE: B+
DWG NUMBER: LPS-080A-STF
SCALE: 10:1
SHEET 7 OF 8

REV 1

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	INITIAL PRODUCTION RELEASE	08-12-2014	TAN

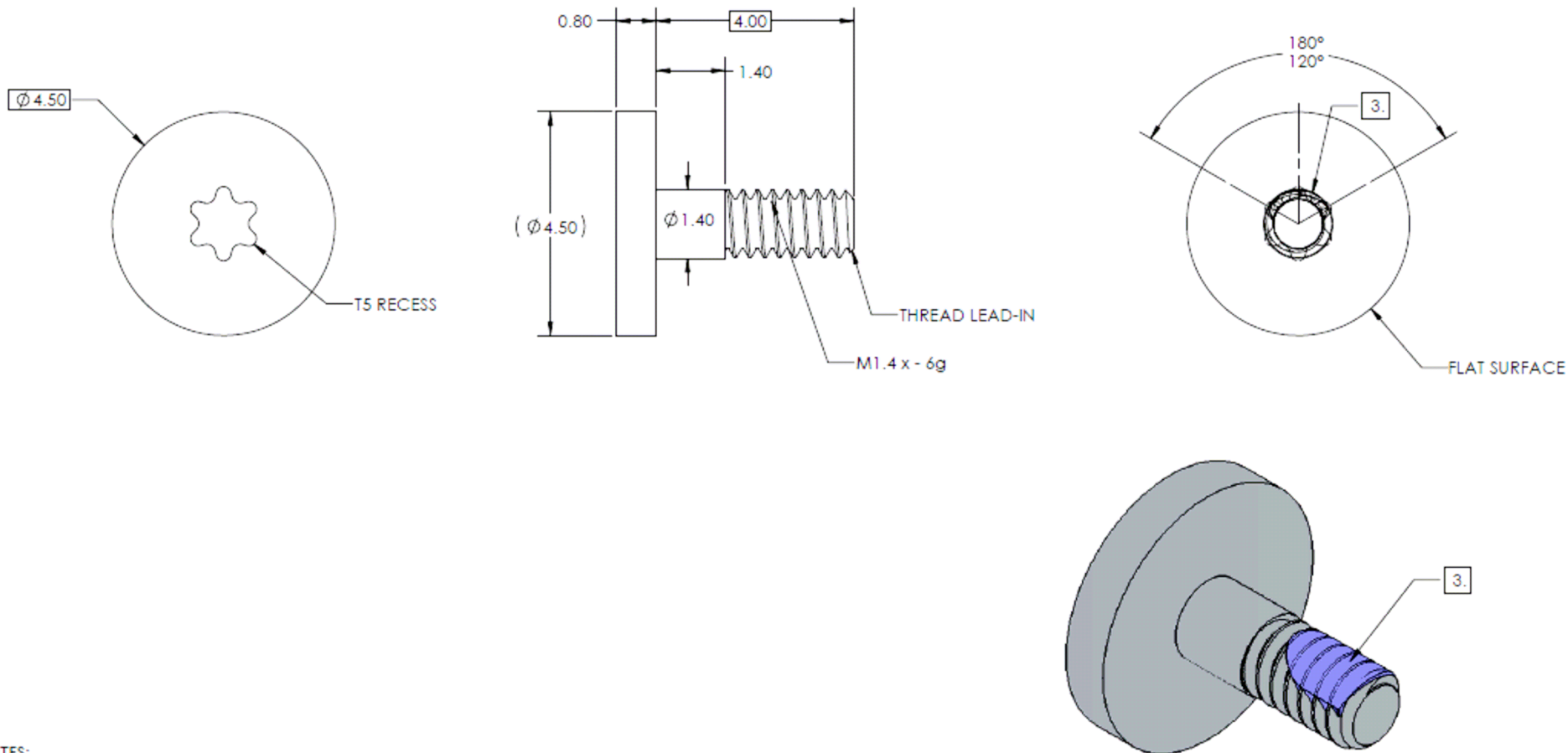


NOTES:

1. MATERIAL: AISI 1018
2. FINISH: BRIGHT NICKEL PER ASTM B689-97, TYPE 2, CLASS 5
3. THREADLOCK: NYLOK-BLUE, FIRST 4-6 WHOLE THREADS, 120°-180° COVERAGE.
4. SCREW FIT TOLERANCE DOES NOT INCLUDE THREADLOCK.
5. PART TO BE FREE OF BURRS AND SHARP EDGES.

PART NUMBER: B01-000614

ZONE	REV.	DESCRIPTION	DATE	DRAWN BY:
	1	INITIAL RELEASE	10-29-2015	TAN



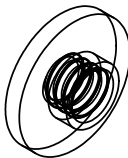
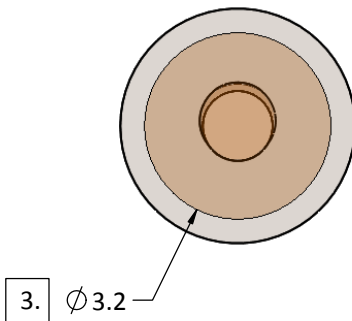
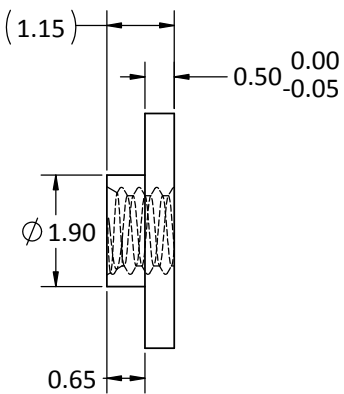
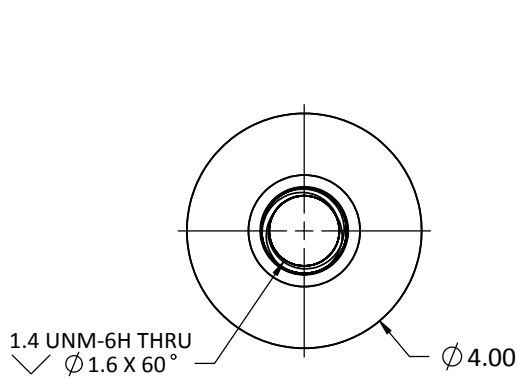
NOTES:

1. MATERIAL: AISI 1018
2. FINISH: BRIGHT NICKEL PER ASTM B689-97, TYPE 2, CLASS 5
3. THREADLOCK: NYLOK-BLUE, FIRST 4-6 WHOLE THREADS, 120°-180° COVERAGE.
4. SCREW FIT TOLERANCE DOES NOT INCLUDE THREADLOCK.
5. PART TO BE FREE OF BURRS AND SHARP EDGES.

		DIMENSIONS ARE IN MM [INCH] X ± 0.25 [0.010] Y ± 0.13 [0.005] Z ± 0.25 [0.010] ANGLE: NO DEC ± 1° X ± 0.5° Y ± 0.25°		MATERIAL: SEE NOTES FINISH: SEE NOTES DRAWN BY: TAN NGUYEN CHECKED BY: ENGR APPR: MAG APPR: QA APPR:		TITLE: Screw, M1.4 x 0.30mm Thread Pitch, 4mm Length. B01-000657 SCALE: 12:1 SHEET 1 OF 1	
2355-C PARAGON DRIVE SAN JOSE, CA 95131 TEL: 408-530-9393 FAX: 408-530-9393		1		1		1	

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REV ISIO NS				
REV.	ECN NO.	DESCRIPTION	DATE	APPROVED
A	0000	INITIAL PRODUCTION RELEASE	SEP. 10 2013	Liyin Lee
B	0000	Change nut length	SEP. 23 2013	Liyin Lee
C	1106	ADD NOTE # 4	NOV. 19 2013	TAN



NOTES:

- MATERIAL: FREE-MACHINING BRONZE, UNS C54400 H04 TEMPER (UTS 450 MPa MIN)
- PART TO BE FREE OF BURRS AND SHARP EDGES.
- HI-TEMP POLYIMIDE TAPE, 260 °C [500 °F] MINIMUM
TOTAL THICKNESS .025-.076 MM [.001-.003 IN]
ADHESION TO STEEL 27 N/100 MM [25 OZ/IN] MINIMUM, PER ASTM D 3330 (OR EQUIV)
- PLATE: SULFAMATE NICKEL, 3.5 +/-2.0 um PER ASTM B689-97 (2008),
+ BRIGHT TIN, 5.0+/-2.0 um PER ASTM B545-97 (2009).

PART NUMBER:B01-000581



715 N. PASTORIA AVE.
SUNNYVALE, CA 94085
TEL: 408-530-9393 FAX: 408-530-9372

DIMENSIONS ARE IN
MM [INCH]
.X ± 0.13 [0.005]
.XX ± 0.08 [0.003]
.XXX ± 0.025 [0.001]
ANGLE: NO DEC ± 1.5°
.X ± 0.5°
.XX ± 0.25°

THIRD ANGLE

MATERIAL: SEE NOTES
FINISH: SEE NOTES
DRAWN BY: TAN NGUYEN 08-19-2013
CHECKED BY: W MAYNARD 08-19-2013
ENGR APPR:
MFG APPR:
QA APPR:

TITLE:
NUT, M1.4 X 1.15mm LG
DWG NUMBER:
B01-000581
SCALE: 12:1
SHEET 10 OF 10