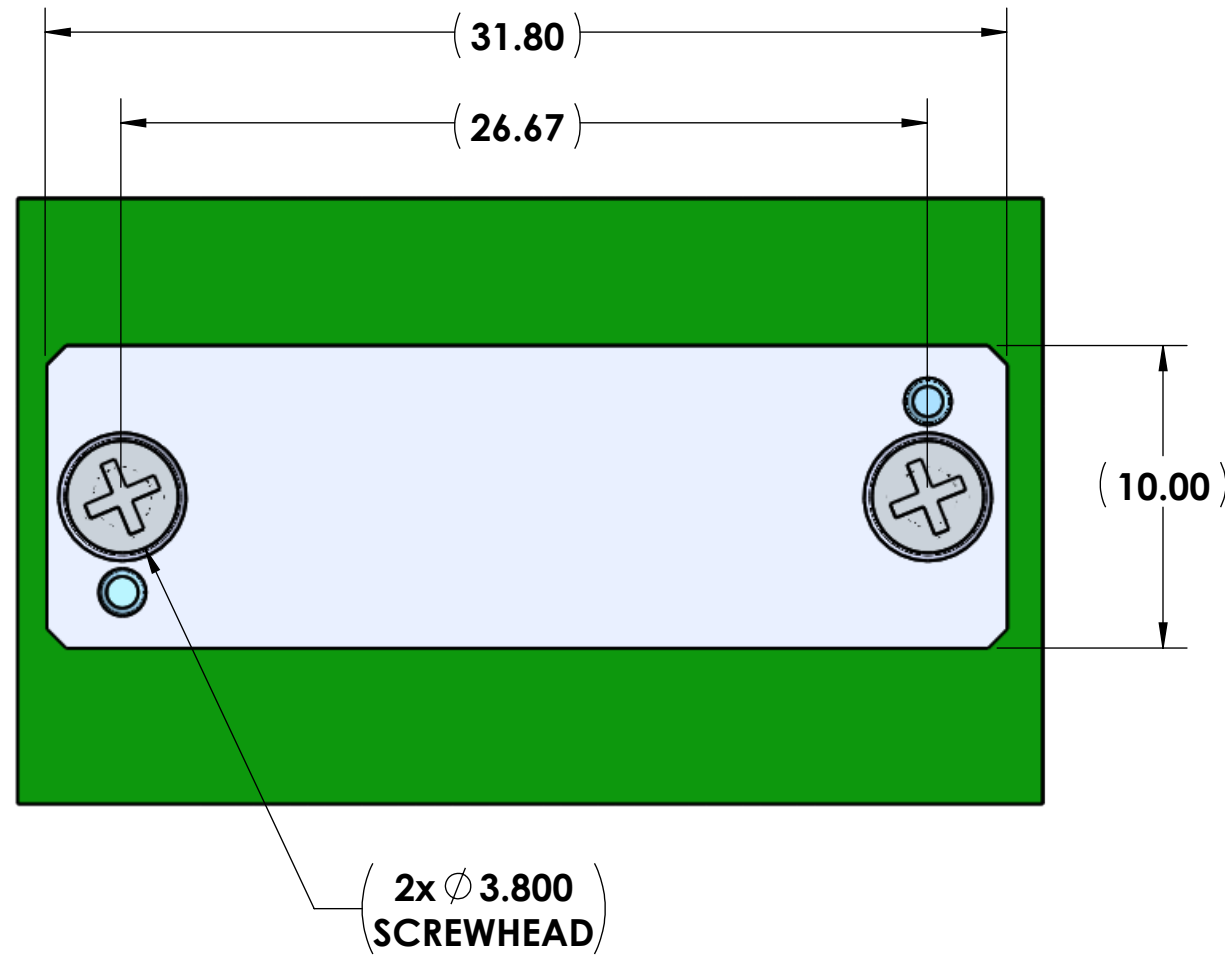


- PROPRIETARY INFORMATION -
NO USE OR REPRODUCTION MAY BE MADE OF
THIS DOCUMENT WITHOUT EXPRESS WRITTEN
PERMISSION OF NEOCONIX.

REVISION				
REV	ECN	DESCRIPTION	DATE	DESIGN BY
1	000	INITIAL RELEASE	11-21-2023	DH
2	000	REVISE DIMS AND NOTES	11-22-2023	FRED/TAN
3	000	UPDATE THE MODEL	04-08-2024	MY



TOP STIFFENER+
INSULTAING TAPE
(1.85)

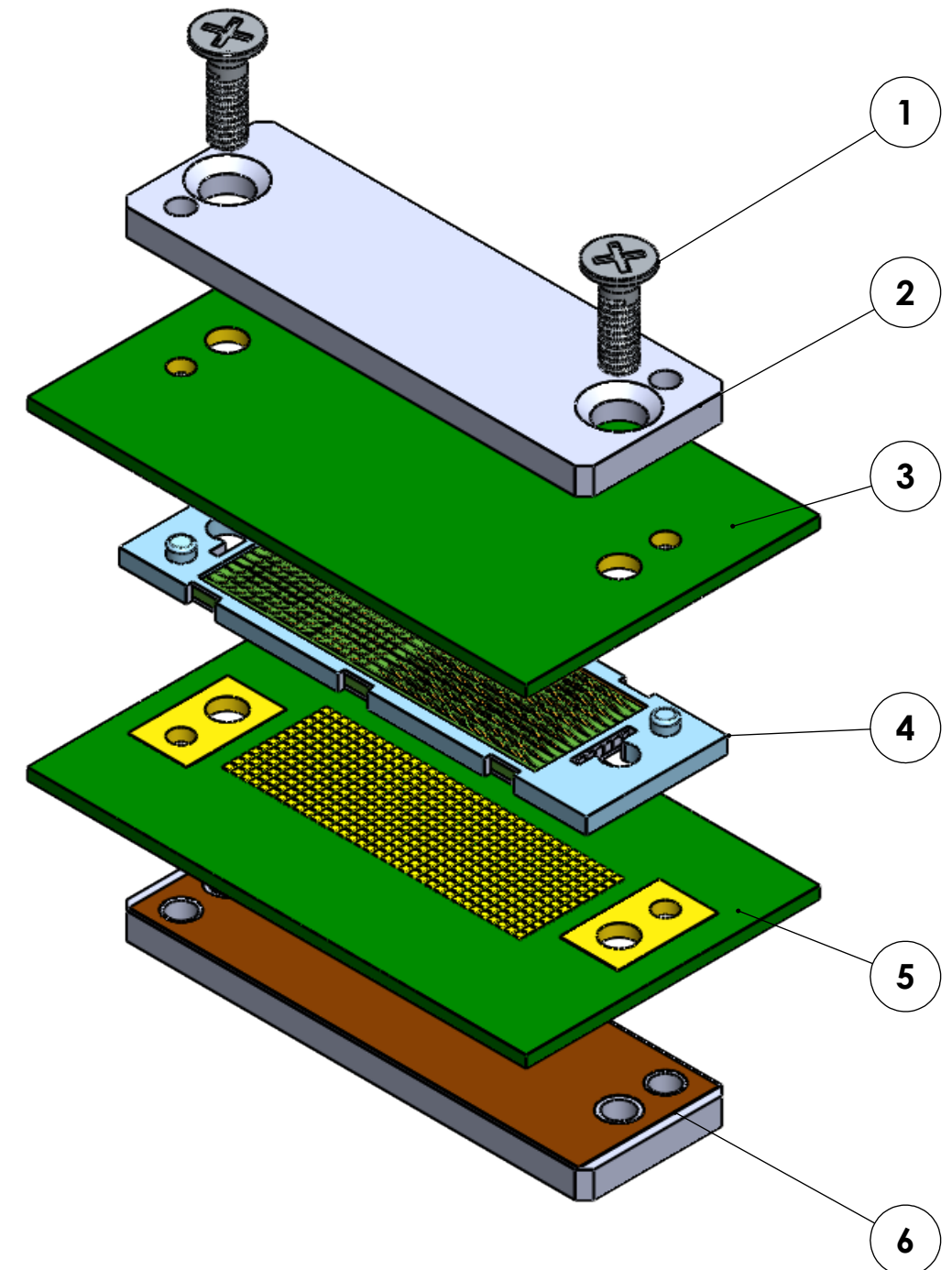
INTERPOSER
(1.10)

TOP PCB
(0.80)

TOTAL HEIGHT
ABOVE THE PCB
(3.75)

BOT STIFFENER
+ INSULATING TAPE
(1.85)

BOTTOM PCB
(0.80)

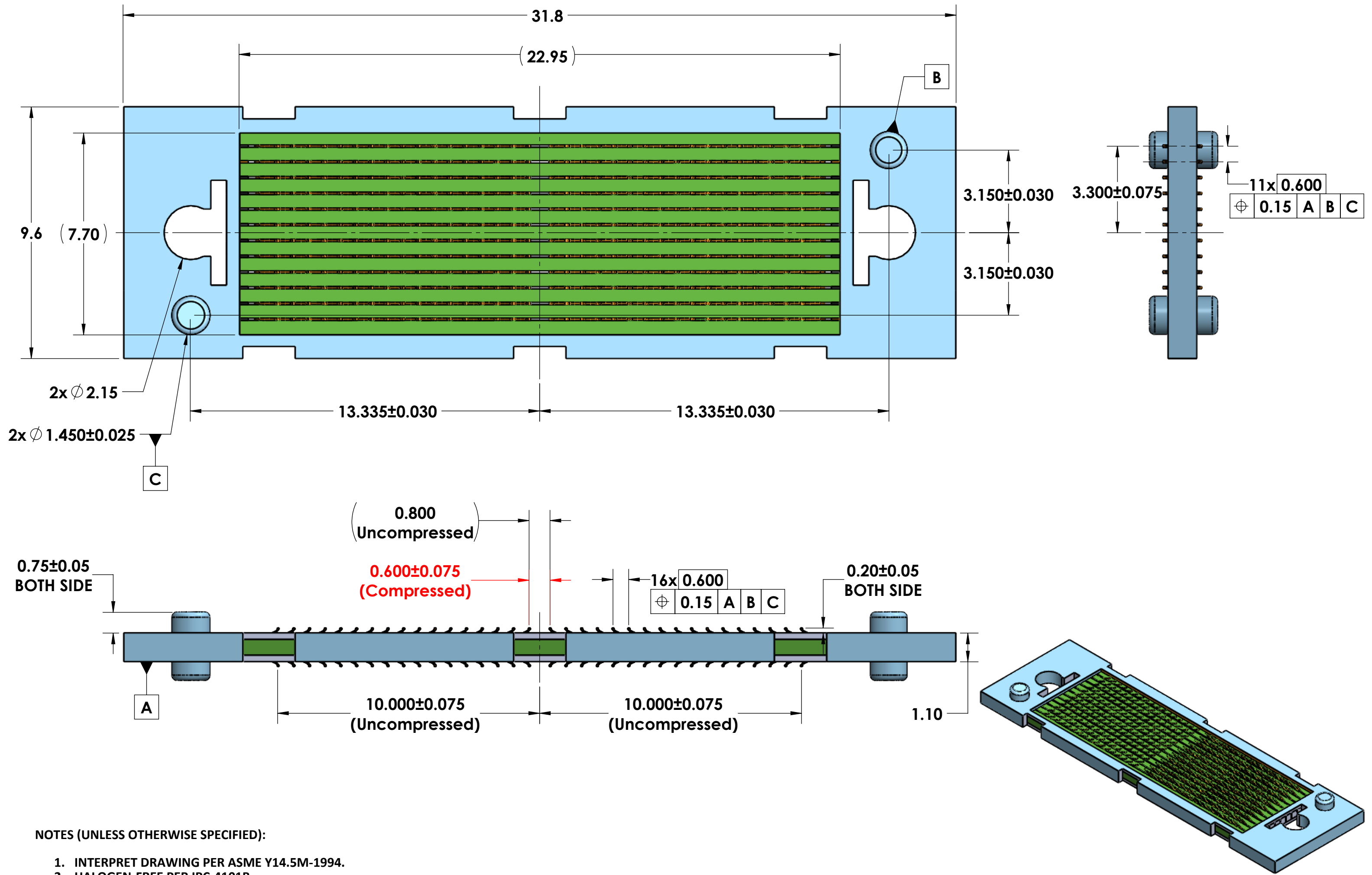


ITEM	DESCRIPTION	NEOCONIX P/N	QTY PER ASSY
1	M2 Flathead Screw	Various*	2
2	Top Stiffener	B01-000846	1
3	Top PCB	N/A Customer Supplied	1
4	Interposer	SPH3-SB408A	1
5	Bottom PCB	N/A Customer Supplied	1
6	Bottom Stiffener	B01-000847	1

*See **AS-000078** for various part number options based on assembly thickness stackup. All items ordered separately

<p>4020 MOORPARK AVENUE #108 SAN JOSE, CA 95117 USA TEL: 408-530-9393 FAX: 408-530-9383</p>	<p>DIMENSIONS ARE IN MM [INCH] .X ±0.13 .XX ±0.08 .XXX ±0.025 ANGLE: NO DEC ±2 DEGREE .X± .XX±</p>	<p>MATERIAL: SEE NOTES</p>	<p>TITLE: SPH3 ASSEMBLY 408 POS LGA-LGA</p>	
	<p>FINISH:</p>	<p>DRAWN BY: MY 04-08-2024</p>	<p>CHECKED BY: JianYu 04-08-2024</p>	<p>SIZE: B+</p>
	<p>ENGR APPR:</p>	<p>MFG APPR:</p>	<p>QA APPR:</p>	<p>DWG NUMBER: SPH3-SB408A-ASY</p>
	<p>THIRD ANGLE</p>	<p>SCALE: 5:1</p>	<p>SHEET 1 OF 4</p>	<p>REV 3</p>

- PROPRIETARY INFORMATION -
NO USE OR REPRODUCTION MAY BE MADE OF
THIS DOCUMENT WITHOUT EXPRESS WRITTEN
PERMISSION OF NEOCONIX.

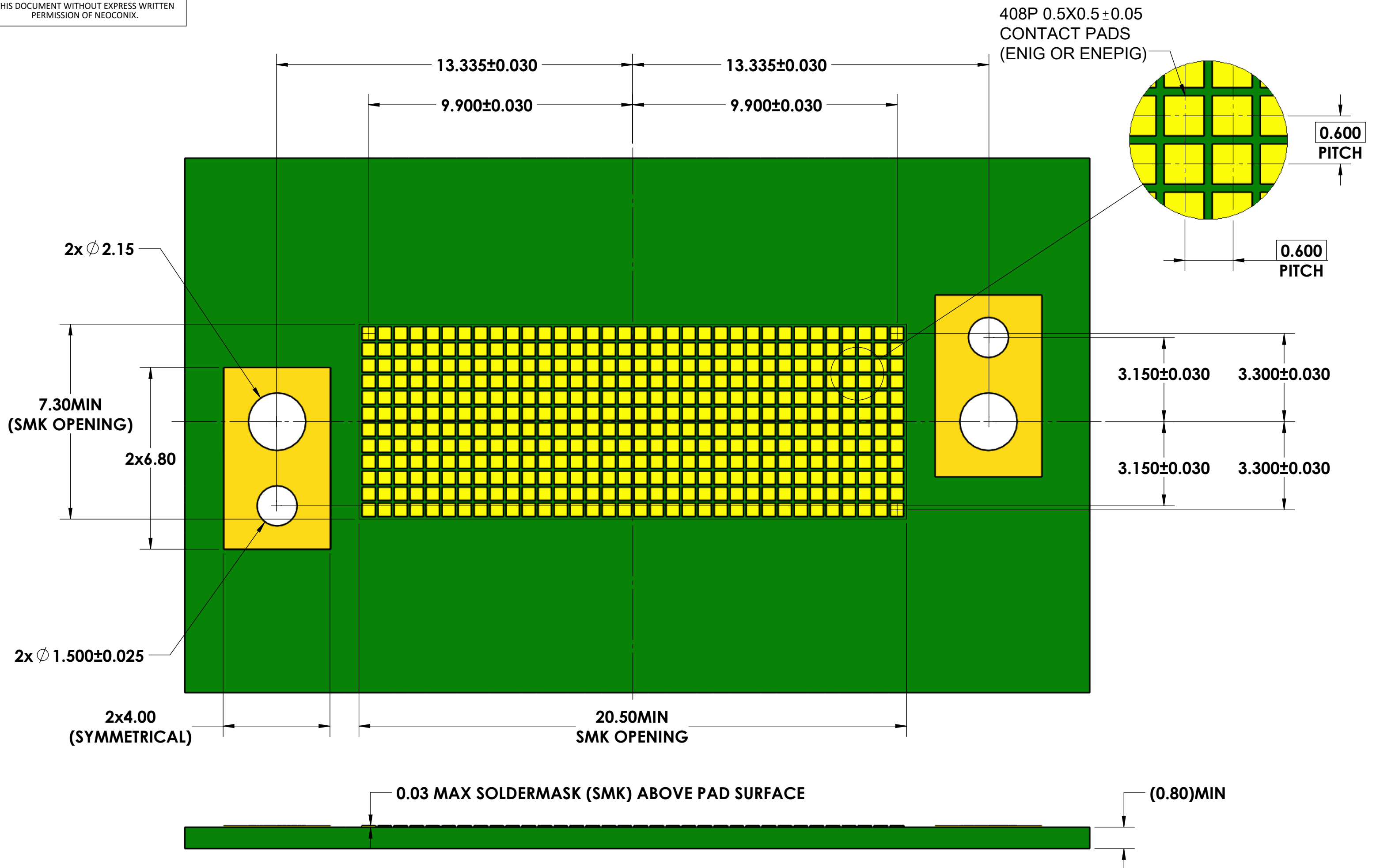


NOTES (UNLESS OTHERWISE SPECIFIED):

1. INTERPRET DRAWING PER ASME Y14.5M-1994.
2. HALOGEN-FREE PER IPC-4101B.
3. COMPLIANT WITH RoHS DIRECTIVE 2011/65/EU.
4. CENTER MARKS OF CONTACT POSITIONS ARE FOR UNCOMPRESSED STATE.
5. FRAME MATERIAL:LCP.

<p>4020 MOORPARK AVENUE #108 SAN JOSE, CA 95117 USA TEL: 408-530-9393 FAX: 408-530-9383</p>	DIMENSIONS ARE IN MM [INCH] .X ± 0.13 .XX ± 0.08 .XXX ± 0.025 ANGLE: NO DEC ± 2 DEGREE .X \pm .XX \pm		MATERIAL: SEE NOTES FINISH: DRAWN BY: MY 04-08-2024 CHECKED BY: JianYu 04-08-2024 ENGR APPR: MFG APPR: QA APPR:		TITLE: SPH3 INTERPOSER 408 POS LGA-LGA DWG NUMBER: SPH3-SB408A REV: 3	
	THIRD ANGLE		SCALE: 5:1		SHEET 2 OF 4	

- PROPRIETARY INFORMATION -
NO USE OR REPRODUCTION MAY BE MADE OF
THIS DOCUMENT WITHOUT EXPRESS WRITTEN
PERMISSION OF NEOCONIX.



BOTTOM PCB

NOTES(UNLESS OTHERWISE SPECIFIED):

- IF THE VIA NEEDS TO BE LOCATED WITHIN THE 0.5X0.50 PAD, IT MUST BE FILLED, PLATED, AND PLANARIZED WITH 25UM MAX DIMPLE.
- SOLDERMASK APPLICATION IN THE ARRAY AREA IS OPTIONAL. IF APPLIED, IT SHALL NOT PROTRUDE MORE THAN 0.03MM ABOVE THE SURFACE OF THE MATING PADS.

neconix
4020 MOORPARK AVENUE #108
SAN JOSE, CA 95117 USA
TEL: 408-530-9393 FAX: 408-530-9383

DIMENSIONS ARE IN
MM [INCH]
.X ±0.13
.XX ±0.08
.XXX ±0.025
ANGLE: NO DEC±2 DEGREE
.X±
.XX±

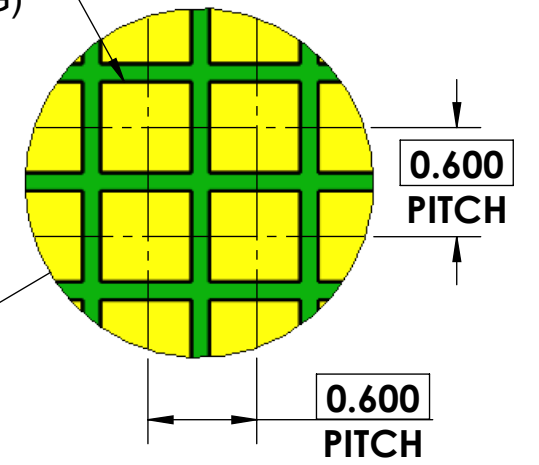
THIRD ANGLE

MATERIAL: **SEE NOTES**
FINISH:
DRAWN BY: MY 04-08-2024
CHECKED BY: JianYu 04-08-2024
ENGR APPR:
MFG APPR:
QA APPR:

TITLE: **RECOMMENDED PCB LAYOUT
SPH3-SB408A**
DWG NUMBER: **SPH3-SB408A-PCB** REV **3**
SCALE: 5:1 SHEET 3 OF 4

- PROPRIETARY INFORMATION -
NO USE OR REPRODUCTION MAY BE MADE OF
THIS DOCUMENT WITHOUT EXPRESS WRITTEN
PERMISSION OF NEOCONIX.

408P 0.5X0.5±0.05
CONTACT PADS
(ENIG OR ENEPIG)



2x ϕ 1.500±0.025

7.30MIN
(SMK OPENING)

2x6.80

2x ϕ 2.15

2x4.00
(SYMMETRICAL)

20.50MIN
SMK OPENING

0.03 MAX SOLDERMASK (SMK) ABOVE PAD SURFACE

(0.80)MIN

TOP PCB

NOTES(UNLESS OTHERWISE SPECIFIED):

- IF THE VIA NEEDS TO BE LOCATED WITHIN THE 0.5X0.50 PAD, IT MUST BE FILLED, PLATED, AND PLANARIZED WITH 25UM MAX DIMPLE.
- SOLDERMASK APPLICATION IN THE ARRAY AREA IS OPTIONAL. IF APPLIED, IT SHALL NOT PROTRUDE MORE THAN 0.03MM ABOVE THE SURFACE OF THE MATING PADS.

neconix
4020 MOORPARK AVENUE #108
SAN JOSE, CA 95117 USA
TEL: 408-530-9393 FAX: 408-530-9383

DIMENSIONS ARE IN
MM [INCH]
.X ±0.13
.XX ±0.08
.XXX ±0.025
ANGLE: NO DEC±2 DEGREE
.X±
.XX±

MATERIAL:	SEE NOTES	
FINISH:		
DRAWN BY:	MY	04-08-2024
CHECKED BY:	JianYu	04-08-2024
ENGR APPR:		
MFG APPR:		
QA APPR:		

TITLE: RECOMMENDED PCB LAYOUT SPH3-SB408A	
SIZE B+	REV 3
DWG NUMBER: SPH3-SB408A-PCB	
SCALE: 5:1	SHEET 4 OF 4