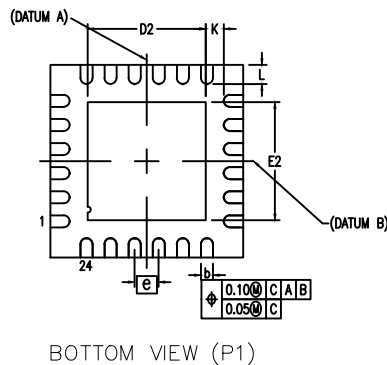
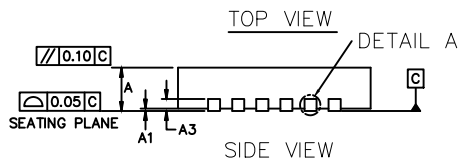
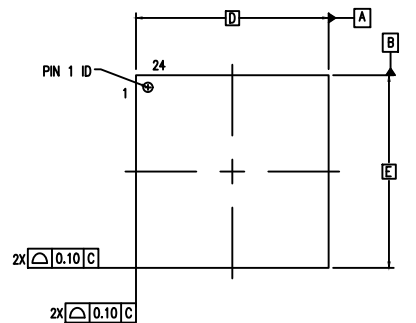
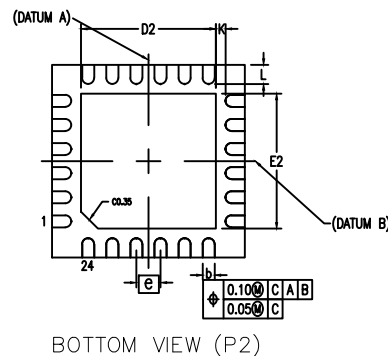


Table 1: Dimensions of Wettable Flank (DETAIL A)

Symbol	Unit (mm)	
	MIN	MAX
FD	0.100	—
FW	0.001	0.075



SYMBOL	DIMENSIONS		
	MIN.	NOM.	MAX.
A	0.80	0.90	1.00
A1	0.00	0.02	0.05
A3	0.20 REF.		
K	0.20 MIN		
D	4.0 BSC		
E	4.0 BSC		
e	0.5 BSC		
L	0.30	0.40	0.50
b	0.18	0.25	0.30

DATE CREATED	REVISIONS		AUTHOR
	REV	DESCRIPTION	
10/15/08	00	INITIAL RELEASE	RAC
11/19/10	01	ADD LAND PATTERN	JG
05/20/15	03	ADD EPAD OPTION	CM
07/09/15	04	ADD NOTE 13 ON PIN 1 ID	J.HUA
9/15/15	05	CORRECT TITLE BLOCK	J.HUA
7/7/17	06	SIMPLIFIED ADD EPAD/HALF CUT OPTION	J.HUA
6/7/18	07	ADD EPAD OPTION	VS
11/2/18	08	UPDATE EPC CODE	RC
7/30/21	09	UPDATE DIMENSIONS OF WETTABLE FLANK	JHTAN
12/21/22	10	ADD OPTION P4 & D1	RC/JH

NOTE: REFER TO DCP FOR OFFICIAL RELEASE DATE

OPTIONS:

SYMBOL	P1(PSC-4192-01)			P2(PSC-4192-02)			P3(PSC-4192-03)			S1(PSC-4192-04)			S2(PSC-4192-05)			P6(PSC-4192-06)			S3(PSC-4192-07)			S4(PSC-4192-08)		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
D2	2.30	2.45	2.60	2.70	2.80	2.90	2.50	2.60	2.70	2.40	2.50	2.60	2.40	2.50	2.60	2.60	2.70	2.80	2.50	2.60	2.70	2.60	2.70	2.80
E2	2.30	2.45	2.60	2.70	2.80	2.90	2.50	2.60	2.70	2.40	2.50	2.60	2.40	2.50	2.60	2.60	2.70	2.80	2.50	2.60	2.70	2.60	2.70	2.80
										WETTABLE FLANK (SIDE PLATE)			WETTABLE FLANK (STEP CUT)						WETTABLE FLANK (STEP CUT)			WETTABLE FLANK (STEP CUT)		
SYMBOL	D1*(PSC-4192-09)			P4(PSC-4192-10)			(*: D1 OPTION HAS A DUMMY LEAD AT EACH OF THE FOUR PKG CORNERS.)																	
D2	2.40	2.50	2.60	2.40	2.50	2.60																		
E2	2.40	2.50	2.60	2.40	2.50	2.60																		

TOLERANCES
UNLESS SPECIFIED
DECIMAL ANGULAR
XX± ±
XXX±

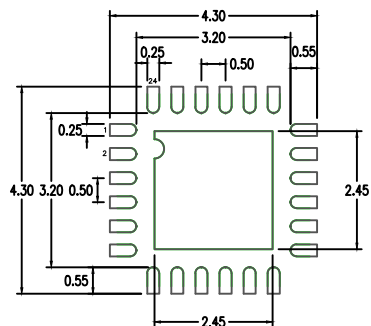
6024 Silver Creek Valley
San Jose, CA 95138
PHONE: (408) 284-8200
FAX: (408) 284-8591



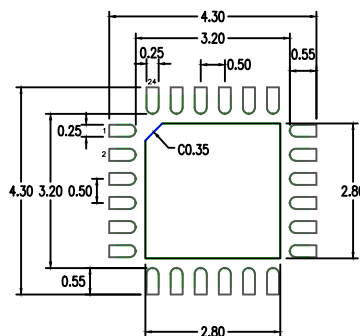
(*: D1 OPTION HAS A DUMMY LEAD AT EACH OF THE FOUR PKG CORNERS.)

- NOTES:
1. ALL DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5M-1994 ARE IN mm. ANGLES IN DEGREES.
 2. ALL DIMENSIONS ARE IN MILLIMETERS.
 3. FOR OPTION IDENTIFIERS, "P" STANDS FOR EPAD SIZE OPTION, "S" FOR WETTABLE FLANK OPTION, "D" FOR DEFAULT OPTION OTHER THAN THE FORMER TWO OPTIONS.
 4. FOR WETTABLE FLANK SUBSET OPTIONS, "S1" STANDS FOR SIDE PLATE, "S2" FOR STEP CUT.
 5. FOR DETAILED OPTION FEATURES, PLEASE REFER TO THE INDIVIDUAL POD DRAWING BY THE RELATED PSC# AS CAPTURED IN THE TABLE.

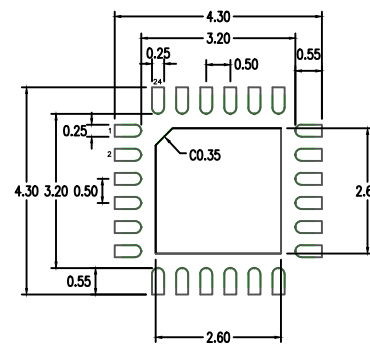
TOLERANCES UNLESS SPECIFIED DECIMAL ANGULAR XXX± XXXX±	6024 Silver Creek Valley Road San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 284-8591	
	TITLE NLG24 Package Outline Drawing 4.0 x 4.0 mm Body 0.5mm Pitch VFQFPN	
SIZE C	DRAWING No. PSC-4192	REV 10
DO NOT SCALE DRAWING		SHEET 1 OF 2



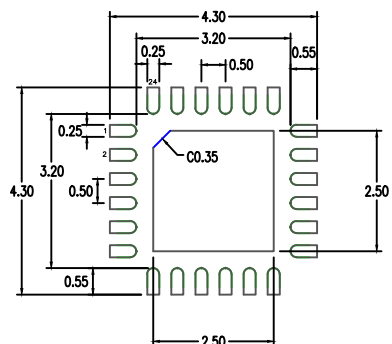
(P1)
2.45 mm SQ EPAD



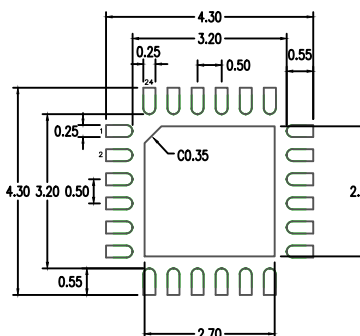
(P2)
2.80 mm SQ EPAD



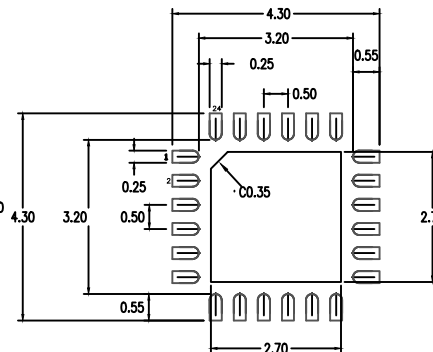
(P3 & S3)
2.60 mm SQ EPAD



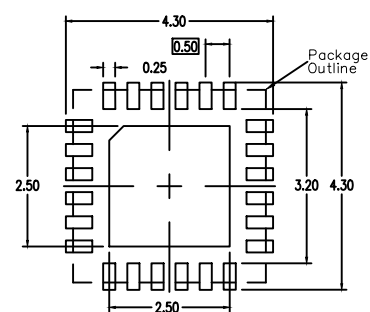
(S1/S2)
2.50 mm SQ EPAD



(P6)
2.70 mm SQ EPAD



(S4)
2.70 mm SQ EPAD



(D1 & P4)
2.50 mm SQ EPAD

DATE		REVISIONS	
CREATED	REV	DESCRIPTION	AUTHOR
10/15/08	00	INITIAL RELEASE	RAC
11/19/10	01	ADD LAND PATTERN	JG
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7/30/21	09	UPDATE DIMENSIONS OF WETTABLE FLANK	JHTAN
12/21/22	10	ADD OPTION P4 & D1	RC/JH

NOTE: REFER TO DCP FOR OFFICIAL RELEASE DATE

RECOMMENDED LAND PATTERN DIMENSION

- NOTES:
1. ALL DIMENSIONS ARE IN mm. ANGLES IN DEGREES.
 2. TOP DOWN VIEW, AS VIEWED ON PCB.
 3. LAND PATTERN RECOMMENDATION PER IPC-7351B GENERIC REQUIREMENT FOR SURFACE MOUNT DESIGN AND LAND PATTERN.

TOLERANCES UNLESS SPECIFIED		6024 Silver Creek Valley Road San Jose, CA 95138 PHONE: (408) 284-8200 FAX: (408) 284-8591	
DECIMAL	ANGULAR	RENESAS TITLE NLG24 Package Outline Drawing 4.0 x 4.0 mm Body 0.5mm Pitch VFQFPN	
XX±	±		
XXX±		SIZE C	REV 10
XXXX±		DRAWING No. PSC-4192	
DO NOT SCALE DRAWING			SHEET 2 OF 2