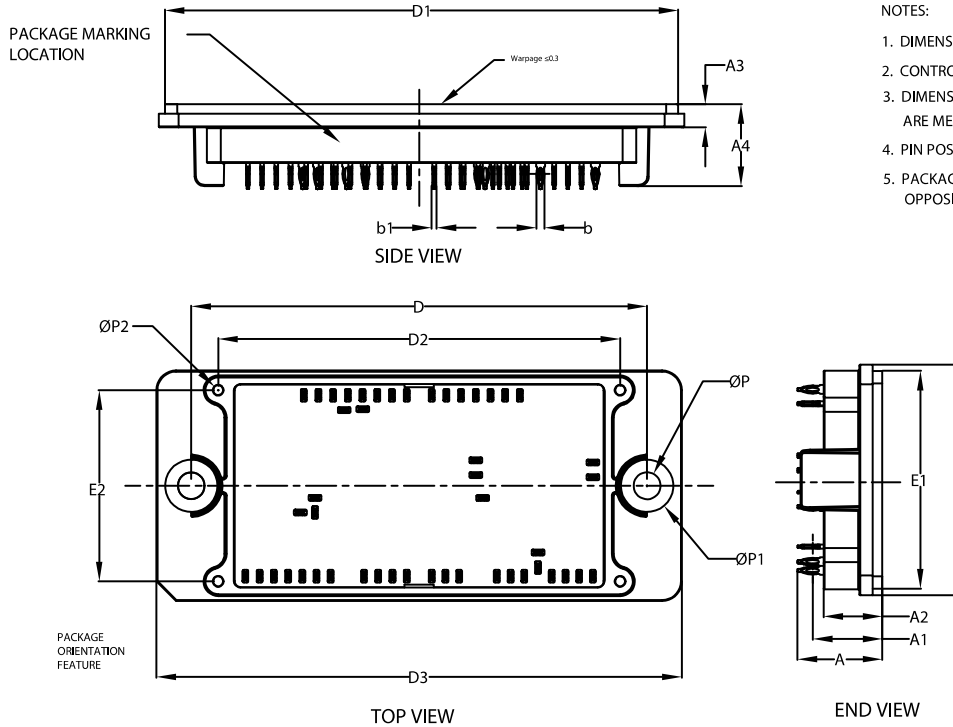


PIM48, 93x47 (PRESS-FIT PIN)
CASE 180CR
ISSUE A

DATE 08 DEC 2022



NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 2009
2. CONTROLLING DIMENSION: MILLIMETERS
3. DIMENSIONS b AND b1 APPLY TO THE PLATED TERMINALS AND ARE MEASURED AT DIMENSION A1
4. PIN POSITION TOLERANCE IS $\pm 0.4\text{mm}$
5. PACKAGE MARKING IS LOCATED AS SHOWN ON THE SIDE OPPOSITE THE PACKAGE ORIENTATION FEATURES

DIM	MILLIMETERS		
	MIN.	NOM.	MAX.
A	16.90	17.30	17.70
A1	13.97	14.18	14.39
A2	11.70	12.00	12.30
A3	4.40	4.70	5.00
A4	16.40	16.70	17.00
b	1.61	1.66	1.71
b1	0.75	0.80	0.85
D	92.90	93.00	93.10
D1	104.45	104.75	105.05
D2	81.80	82.00	82.20
D3	106.90	107.20	107.50
E	46.70	47.00	47.30
E1	44.10	44.40	44.70
E2	38.80	39.00	39.20
P	5.40	5.50	5.60
P1	10.60	10.70	10.80
P2	1.80	2.00	2.20

S Pin position

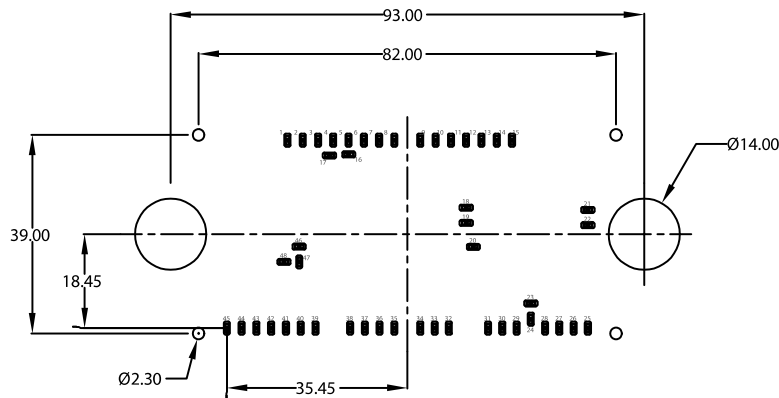
Pin table				Pin table			
Pin	X	Y	Function	Pin	X	Y	Function
1	11.9	36.9	Phase1	25	70.9	0	DC-
2	14.9	36.9	Phase1	26	68.1	0	DC-
3	17.9	36.9	Phase1	27	65.3	0	DC-
4	20.9	36.9	Phase1	28	62.5	0	DC-
5	23.9	36.9	Phase1	29	59.9	0	DC-
6	26.9	36.9	Phase1	30	57.1	0	DC-
7	29.9	36.9	Phase1	31	54.3	0	DC-
8	32.9	36.9	Phase1	32	51.6	0	N2
9	35	36.9	Phase2	33	48.8	0	N2
10	38	36.9	Phase2	34	46	0	N2
11	41	36.9	Phase2	35	43.2	0	N1
12	44	36.9	Phase2	36	40.4	0	N1
13	47	36.9	Phase2	37	37.6	0	N1
14	50	36.9	Phase2	38	34.8	0	N1
15	53	36.9	Phase2	39	32	0	DC+
16	56	36.9	Phase2	40	29.2	0	DC+
17	59.7	4.85	G4	41	26.4	0	DC+
18	59.7	1.75	E4	42	23.6	0	DC+
19	59.7	0.65	F4	43	20.8	0	DC+
20	59.7	0.55	G4	44	18	0	DC+
21	59.7	0.45	H4	45	15.2	0	DC+
22	59.7	0.35	I4	46	12.4	0	DC+
23	59.7	0.25	J4	47	10	0	DC+
24	59.7	0.15	K4	48	7.2	0	DC+

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PIM48, 93x47 (PRESS-FIT PIN)
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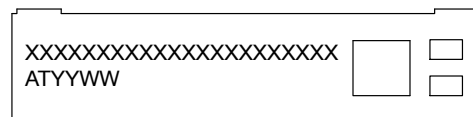
DATE 08 DEC 2022



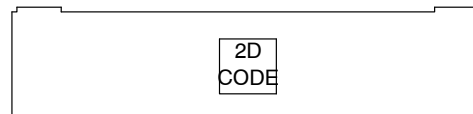
**RECOMMENDED
MOUNTING PATTERN**

* For additional information on our Pb-Free strategy and soldering details, please download the ON Semiconductor Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.

**GENERIC
MARKING DIAGRAM***



FRONTSIDE MARKING



BACKSIDE MARKING

XXXXXX = Specific Device Code
 AT = Assembly & Test Site Code
 YYWW = Year and Work Week Code

*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot "▪", may or may not be present. Some products may not follow the Generic Marking.

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