

# APPENDIX B

## 推奨ランド寸法

### Recommended Pad Dimensions

#### ■標準ランド寸法 Standard Soldering Pad Dimensions

はんだ付け時の最適ランド寸法は条件によって異なりますが、標準的には次のランド寸法を推奨致します。

The optimum dimension of soldering pad at the time of soldering differs according to conditions, however, the following pad dimensions are recommended as standard.

#### ■角形チップ部品 Flat Type Components

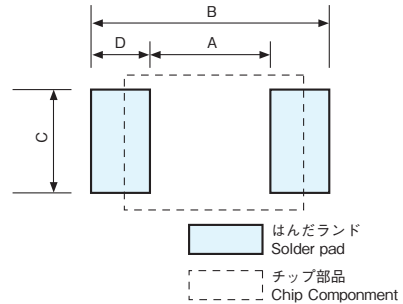
##### ●リフローはんだ用 For Reflow Soldering

形名 Type	形状 Style	寸法 Dimensions (mm)				
		部品サイズ Component Size	A	B	C	D
RK73	1F	0.4×0.2	0.12	0.48	0.18	0.18
RS73	1H	0.6×0.3	0.25	0.7	0.3	0.225
HV73	1E	1.0×0.5	0.5	1.3	0.3	0.4
SG73	1J	1.6×0.8	1.0	2.0	0.6	0.5
RN73	2A	2.0×1.25	1.3	2.5	1.05	0.6
SR73	2B	3.2×1.6	2.2	4.0	1.4	0.9
LT73	2E, 2E1	3.2×2.5	2.2	4.0	2.3	0.9
N173	W2H/2H	5.0×2.5	3.3/3.5	6.1/6.3	2.3	1.4
LA73	W3A2, W3A, 3A	6.3×3.1	4.6	8.0	3.0	1.7
LP73	2A	2.0×1.25	1.3	2.6	1.1	0.65
SDT73	2B	3.2×1.6	2.2	4.2	1.6	1.0
RF73	1E	1.0×0.5	0.5	1.8	0.5	0.65
UR73	1J	1.6×0.8	0.5	2.5	0.9	1.0
	2A	2.0×1.25	0.8	3.4	1.3	1.3
	2B	3.2×1.6	1.2	4.6	1.8	1.7
UR73D	2H (10mΩ~30mΩ)	5.0×2.5	1.8	6.1	2.6	2.15
	2H (33mΩ~100mΩ)		3.3	6.1	2.5	1.4
	3A (10mΩ~30mΩ)	6.3×3.1	2.3	8.0	3.3	2.85
	3A (33mΩ~100mΩ)		4.6	8.0	3.2	1.7
UR73V	2A	2.0×1.25	1.2	3.4	1.3	1.1
	2B	3.2×1.6	2.2	4.2	1.6	1.0
UR73VD	2A (10mΩ~18mΩ)	2.0×3.1	0.6	3.4	1.3	1.4
	2A (20mΩ~36mΩ)		0.8	3.4	1.3	1.3
	2B (10mΩ~13mΩ)		0.7	4.4	1.6	1.85
	2B (15mΩ~16mΩ)		0.9	4.4	1.6	1.75
	2B (18mΩ~20mΩ)		1.0	4.4	1.6	1.7
	2B (22mΩ~27mΩ)		1.1	4.4	1.6	1.65
WK73	1E	0.5×1.0	0.2	1.1	1.0	0.45
WU73	1J	0.8×1.6	0.4	1.7	1.6	0.65
WG73	2A	1.25×2.0	0.55	2.35	2.0	0.9
	2B15, 2B	1.6×3.2	0.7	2.3	3.2	0.8
	2H2, 2H	2.5×5.0	1.0	3.5	5.0	1.25
	2J	3.1×4.6	1.6	3.9	4.6	1.15
	3A3, 3A	3.1×6.3	1.6	3.9	6.3	1.15
TF	10B	1.0×0.5	0.5	1.3	0.3	0.4
	16S, 16A, 16V	1.6×0.8	1.0	2.0	0.6	0.5
	L	6.3×3.15	3.4	7	3.4	1.8
	J	10.0×5.2	5.6	11	6.2	2.7
	F	3.0×3.8				
	G	6.9×6.6				
PS	B (0.2mΩ)		2.2	10.8	9.0	4.30
	B (0.75mΩ)	10.0×8.4	2.8	10.7	8.9	3.95
	B (1mΩ)		3.8	10.7	8.9	3.45
	I	10.0×5.2	5.6	11.0	6.2	2.7
	E	6.4×6.4	1.4	7.6	7.0	3.1
	1E	1.0×0.5	0.2	1.3	0.6	0.55
	2A	2.0×1.25	0.5	2.5	1.3	1.0
	2BW, 2BP (0.5mΩ)		0.6	4.0	1.8	1.7
	2B (2B, 2B1, 2B2) (1mΩ~1.5mΩ)	3.2×1.6	0.8	4.0	1.8	1.6
	2B (2B, 2B1, 2B2) (2mΩ~2mΩ)		1.4	4.0	1.8	1.3
	2H, 2HW (0.5mΩ, 1mΩ)		1.0	6.1	3.0	2.55
	2H, 2HW (2mΩ~6mΩ)		1.3	6.1	3.0	2.4
	2H, 2HW (7mΩ~10mΩ)		3.3	6.1	3.0	1.4
	3A (1mΩ)		1.45	7.55	3.83	3.05
	3A (2mΩ)		3.45	7.55	3.83	2.05
	3A (3mΩ)	6.35×3.18	2.15	7.55	3.83	2.7
	3A (4mΩ)		3.45	7.55	3.83	2.05
	3AW (0.5mΩ~0.82mΩ)		0.8	7.55	3.83	3.375
	3AW (1mΩ~4mΩ)		1.45	7.55	3.83	3.05
	3AW (5mΩ~8mΩ)		3.45	7.55	3.83	2.05
	3AW (9mΩ, 10mΩ)		4.4	7.55	3.83	1.575
	3AP (0.5mΩ~0.82mΩ)		0.8	7.55	3.83	3.375
	3AP (1mΩ, 1.5mΩ)		1.45	7.55	3.83	3.05
	3AP (2mΩ)		1.05	7.55	3.83	3.25
	3AP (3mΩ~4mΩ)		1.45	7.55	3.83	3.05
	3AP (5mΩ~8mΩ)		3.45	7.55	3.83	2.05
	3AP (9mΩ, 10mΩ)		4.4	7.55	3.83	1.575
	3APS		3.45	7.55	3.83	2.05
TLR	2A	2.0×1.25	0.5	2.5	1.3	1.0
	3AW	6.3×3.2	4.4	7.5	3.7	1.55
	3AP	6.3×3.2	2.15	7.55	3.83	2.7
TLRH	1E	1.0×0.5	0.5	1.3	0.6	0.4
	1J	1.6×0.8	0.5	2.0	0.9	0.75
TLRZ	2A	2.0×1.25	0.5	2.5	1.45	1.0
	2B	3.2×1.6	2.2	3.8	1.8	0.8
TSL	1	6.3×3.1	3.4	8.0	3.0	2.3
	07, W07	5.0×2.5	2.3	7.0	2.6	2.35
SL	1, W1	6.3×3.1	3.4	8.0	3.0	2.3
	2	11.5×7.0	5.4	15.0	5.0	4.8
SLN	2, 3, 5	11.5×7.0	5.0	15.0	6.0	5.0
KQT	0402	1.0×0.5	0.46	1.18	0.66	0.36
KQ	0603	1.6×1.0	0.8	2.0	1.02	0.6
KQC	0805	2.0×1.5	0.76	2.8	1.78	1.02
	1008	2.5×2.2	1.27	3.31	2.54	1.02
CCF	1N, 1F	6.0×2.5	3.0	7.2	2.8	2.1
CCP	2E	3.2×2.5	2.2	5.0	2.0	1.4
	2B	3.2×1.6	2.2	5.0	1.4	1.4
	1H	0.6×0.3	0.25~0.35	0.65~0.95	0.25~0.35	0.2~0.3
	1E	1.0×0.5	0.51	1.73	0.51	0.61
	1J	1.6×0.8	1.0	3.0	1.0	1.0
NV73	2A	2.0×1.25	1.2	4.0	1.2	1.4
NV73DL	2B	3.2×1.6	2.2	5.0	1.3	1.4
	2E	3.2×2.5	2.2	5.0	2.2	1.4
	2J	4.5×3.2	3.0	5.8	2.9	1.4
	2L	5.7×5.0	4.5	7.5	4.7	1.5
NV73DS	2L	6.1×5.1	4.5	7.5	4.7	1.5

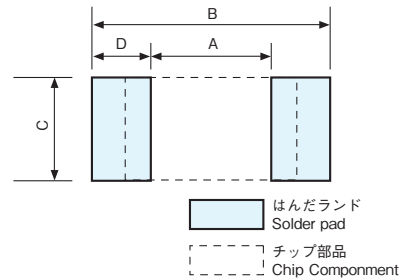
##### ●フローはんだ用 For Flow Soldering

形名 Type	形状 Style	寸法 Dimensions (mm)				
		部品サイズ Component Size	A	B	C	D
RK73	1E	1.0×0.5	0.5	1.5	0.5	0.5
RS73	1J	1.6×0.8	1.0	2.4	0.8	0.7
HV73	2A	2.0×1.25	1.3	3.1	1.25	0.9
SG73	2B	3.2×1.6	2.2	4.4	1.6	1.1
RN73	2E, 2E1	3.2×2.5	2.2	4.4	2.5	1.1
SR73	W2H/2H	5.0×2.5	3.3/3.5	6.1/6.3	2.5	1.4
LT73	W3A2, W3A, 3A	6.3×3.1	4.6	8.0	3.2	1.7
N173	2A	2.0×1.25	1.3	2.6	1.1	0.65
LA73	2B	3.2×1.6	2.2	4.2	1.6	1.0
LP73	1E	1.0×0.5	0.5	1.8	0.5	0.65
SDT73	1J	1.6×0.8	0.5	2.5	0.9	1.0
RF73	2A	2.0×1.25	0.8	3.4	1.3	1.3
UR73	2B	3.2×1.6	1.2	4.6	1.8	1.7
UR73D	1E	1.0×0.5	0.5	1.8	0.5	0.65
	1J	1.6×0.8	0.5	2.5	0.9	1.0
	2A	2.0×1.25	0.8	3.4	1.3	1.3
	2B	3.2×1.6	1.2	4.6	1.8	1.7
UR73D	2H (10mΩ~30mΩ)	5.0×2.5	1.8	6.1	2.6	2.15
	2H (33mΩ~100mΩ)		3.3	6.1	2.5	1.4
	3A (10mΩ~30mΩ)	6.3×3.1	2.3	8.0	3.3	2.85
	3A (33mΩ~100mΩ)		4.6	8.0	3.2	1.7
UR73V	2A	2.0×1.25	1.2	3.4	1.3	1.1
	2B	3.2×1.6	2.2	4.2	1.6	1.0
UR73VD	2A (10mΩ~18mΩ)	2.0×1.25	0.6	3.4	1.3	1.4
	2A (20mΩ~36mΩ)		0.8	3.4	1.3	1.3
	2B (10mΩ~13mΩ)		0.7	4.4	1.6	1.85
	2B (15mΩ~16mΩ)		0.9	4.4	1.6	1.75
	2B (18mΩ~20mΩ)		1.0	4.4	1.6	1.7
	2B (22mΩ~27mΩ)		1.1	4.4	1.6	1.65
TF	10B	1.0×0.5	0.5	1.5	0.5	0.5
	16S, 16A	1.6×0.8	1.0	2.4	0.8	0.7
	1J	1.6×0.8	1.0	3.0	1.0	1.0
	2A	2.0×1.25	1.2	4.0	1.2	1.4
NV73	2B	3.2×1.6	2.2	5.0	1.3	1.4
NV73DL	2E	3.2×2.5	2.2	5.0	2.2	1.4
	2J	4.5×3.2	3.0	5.8	2.9	1.4
	2L	5.7×5.0	4.5	7.5	4.7	1.5
NV73DS	2L	6.1×5.1	4.5	7.5	4.7	1.5
CCF	1N, 1F	6.0×2.5	3.0	7.2	2.8	2.1

##### ●リフローはんだ用 For Reflow Soldering



##### ●フローはんだ用 For Flow Soldering



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These pad dimensions are only for standard pattern and the characteristics are not guaranteed, which you are suggested to confirm before use.

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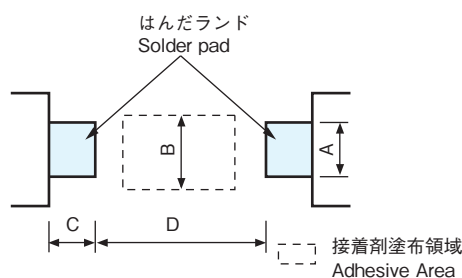
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## ■メルフタイプ部品 Melf Type Components

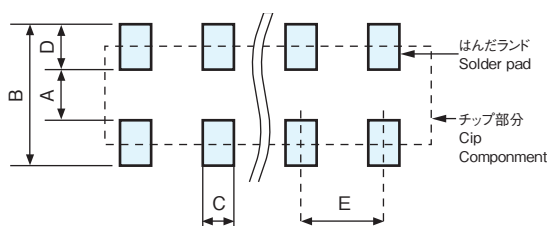
- フローはんだ用 For Flow Soldering



形名 Type	形状 Style	寸法 Dimensions (mm)				
		部品サイズ Component Size	A	B	C	D
RD41 RN41 RM41 CC	2A	2.0×1.25	1.3	1.3	2.0	1.3
	2ES-12M	3.5×1.40	1.5	2.2	1.5	2.0
	2D	3.2×1.55				
	2E-25	5.9×2.2	2.0	3.0	3.0	4.0
	2H					

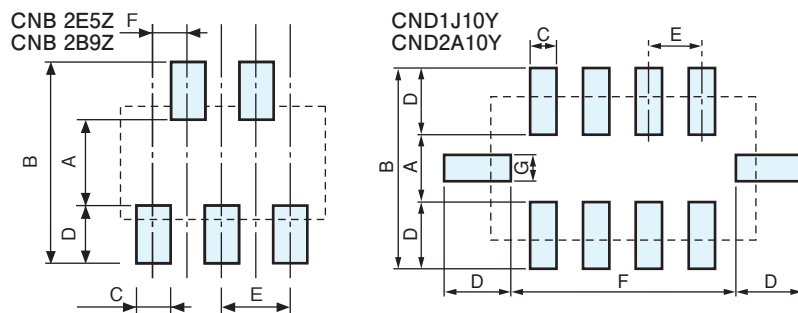
## ■チップネットワーク Chip Networks

- リフローはんだ用 For Reflow Soldering



形名 Type	形状 Style	寸法 Dimensions (mm)					
		部品サイズ*1 Component Size	A	B	C	D	E
CN	1E2K	1.0×1.0	0.5	1.5	0.4	0.5	0.67
	1E4K	2.0×1.0			0.3		0.5
	1JA/K	(0.8×n)×1.6	1.0	2.6	0.4	0.8	0.8
	1F8K	3.8×1.6	1.0	3.0	0.3	1.0	0.5
	2B4A	5.1×3.1	2.1	4.1	0.9	1.0	1.27
	1E	(0.5×n)×1.0	0.5	1.5	0.3	0.5	0.5
	1J	(0.8×n)×1.6	0.8	2.6	0.4	0.9	0.8
	2A	(1.27×n)×2.0	1.0	3.0	0.65	1.0	1.27
	2B	(1.27×n)×3.2	2.2	4.2	0.65	1.0	1.27
	CND	1J10K	3.2×1.6	0.9	2.6	0.4	0.85
2B10		6.4×3.1	2.1	4.1	0.6	1.0	1.27
CNN	2A2	2.54×2.0	1.2	2.8	0.6	0.8	1.27

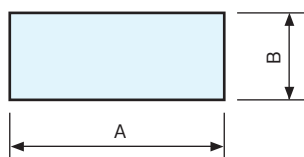
\*1 n: 素子数 n: Number of Resistors



形名 Type	寸法 Dimensions (mm)							
	部品サイズ Component Size	A	B	C	D	E	F	G
CND 1J10Y	3.2×1.6	0.9	2.3	0.3	0.7	0.635	2.45	0.4
CND 2A10Y	4.0×2.1	1.0	3.0	0.4	1.0	0.8	3.4	0.4
CNB 2E5Z	3.2×2.5	1.7	3.9	0.5	1.1	1.0	0.5	—
CNB 2B9Z	6.4×3.2	2.4	4.6	0.5	1.1	1.3	0.65	—

## ■その他 Others

- リフローはんだ用 For Reflow Soldering



形名 Type	寸法 Dimensions (mm)	
	A	B
RCS	4.1~4.3	1.4~1.6
RCT	2.9~3.1	1.05~1.25
RCU	2.5~2.7	0.6~0.8
RCW	4.1~4.3	1.4~1.6

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