

Comment TD 12	Description TEST DOINT	Designator 1	Footprint TD-12	LibRef TD 1.2	Quantity
TP_1.2 30R/6A	B-1206	1 B1. B4	TP-1.2 BEAD 1206	TP_1.2 B-1206-	
30R/4A	B-0805	B2, B3, B5, B6	BEAD_1200 BEAD_0805	30R@100MHZ-6A B-0805-	
aur/4A	8-0805	82, 83, 85, 86	DEAU_USUS	30R@100MHZ-4A R-120A-	
300R/2.5A	B-1206	87	BEAD_1206	8-1206- 300R@100MHZ-	1
70	**************************************	BOOT1, PM1, PM2,	70.40	2.5A	
TP	TEST POINT	PM3, PM4, SWCLK1, SWDIO1	TP-1.2	TP	
		C1, C4, C5, C9, C10, C11, C12, C13, C14,			
		C15, C16, C17, C18, C19, C20, C21, C22,			
0.1uF/50V	C-0603	C19, C20, C21, C22, C23, C25, C27, C28, C29, C42, C43, C48,	CAP_0603	C-0603-104K50- X7R	1
		C49, C52, C53, C54,			1
		C55, C58, C59, C60, C61, C62, C67			1
1nF/50V	C-0603	C2, C56, C57	CAP_0603	C-0603-102K50-	
22pF/50V	C-0603	C3	CAP_0603	X7R C-0603-220J50-	
22uF/10V	C-0805	CA C7	CAP 0805	NP0 C-0805-226M10-	
			CAP_0805 CAP 1206	X7R C-1206-106K50-	
10uF/50V	C-1206	C8	-	X5R C-0805-106M25-	
10uF/25V	C-0805	C24, C26	CAP_0805	X7R	
		C30, C31, C32, C33, C36, C37, C38, C39,		C-0402-104K50-	1
0.1uF/50V	C-0402	C44, C45, C64, C65, C68, C69, C70, C72,	CAP_0402	X7R	1
	+	C73, C74		C-1206-104K100-	
0.1uF/100V	C-1206	C34, C35	CAP_1206	X7R	
10nF 1KV 1uF/50V	C-0603	C40, C41 C46, C47, C71	CAP-DIP-5 CAP 0603	C-10nF-1KV C-0603-105K50-	
				X7R C-0603-101K50-	
100pF/50V	C-0603	C50, C51	CAP_0603	X7R C-0603-475K6.3-	
4.7uF/6.3V	C-0603	C63	CAP_0603	X7R	
10uF/10V	C-0805	C66	CAP_0805	C-0805-106K10- X7R	
0.68uF	P-15	CX1	CAP-DIP-X-15MM- 18*10	C-X-683K275	
2200pF/250V	P7.5	CY1, CY2	18*10 CAP-DIP-Y-7.5MM- 8*4	C-Y2-222M250-	
SS56B	DO-214AA	D1	DO-214AA-SMB	Y5V D-SKD-5A-60V	
F1J	SOD-123FL	D2, D3, D4, D5, D6, D7, D8, D9, D16	SOD-123FL	D-F1J	
RS3MB	DO-214AA	D10, D11, D12	DO-214AA-SMB SOD-123-	D-RS3MB	
1N4148W	SOD-123	D13, D14, D15	1N4148W-Small	D-1N4148W	
SD05C	气体放电管 SOD-323	D17 D18, D19, D20, D23,	DIO-TH-5.3*3.1 SOD-323-TVS	DBLG-3kV 3kA D-SD05C	
SD03	SOD-323 SOD-323	D24, D25, D26 D21, D22	SOD-323-1VS SOD-323	D-SD03	
		Debug_RX1, Debug_TX1,			
TP_2.0	TEST POINT	MCU_EN1, REST1,	TP-1.5	TP_2.0	1
3.15A	932	SDIO_D1, TP1, TP2 F1	F_932	F-3.15A-AC250V	
5A/300VAC	5.08mm	F2 JP1, JP2, JP3, JP4,	F_932	F-5A-AC300V CONN-VH-2L-PR-	
VH-2L-PR-H	3.96mm	JP5, JP6, JP7, JP9, JP10, JP13	VH-2L-PR-MI-H	CONN-VH-2L-PR- MI-H	1
VH-3L-N	3.96mm	JP8	VH-3L-N	CONN-VH-3L-N-	
PHS-2L-PR-H	2mm	JP11, JP12	PHS-2L-PR-MI-H	2PIN© CONN-PHS-2L-PR-	
PHS-10L-BE	2mm	JP14		MI-H CONN-PHS-10L-	
			PHS-10L-BE-MI	BE-MI CONN-PHS-2L-N-	
PHS-2L-N	2mm	JP15, JP16, JP17	PHS-2L-N-MI	MI CONN-XH-3L-RD-	
XH-3L-RD	2.5mm	JP18	XH-3L-RD-MI	MI	
XH-2L-PR	2.5mm	JP19	XH-2L-N-MI	CONN-XH-2L-PR- MI	
XH-2L-BE	2.5mm	JP20	XH-2L-BE-MI	CONN-XH-2L-BE- MI	
GH-3L GH-2L	1.25mm 1.25mm	JP21 JP22, JP23	GH-3AWR-立式 GH-2AWR-立式	CONN-GH-3L CONN-GH-2L	
DIP-2.54-4	2.54mm	JP24	DIP-254-4	CONN-DIP-2.54-4	
DIP-2.54-6 22uH	2.54mm 10*10	JP25 L1	DIP-254-6 IND-SMD-10*10	CONN-DIP-2.54-6 L-22uH-5.5A	
2mH-5A 250-6.3*0.8-L	1	L2 L3, L_NT1, N1,	IND-MI-19*10 CON1-铜插片-立式	LC-2mH-5A CONN-250-6.3*0.8-	
	+	N_HT1	-250-6.3*0.8	L LED-0603-RED-	
RED	LED-0603	LED1	LED-0603r	SMD	
WHT	LED-0603	LED2	LED-0603W	LED-0603-WHT- SMD	
PAD-AWG18	AWG18	PGND1 Q1, Q2, Q3, Q4, Q5,	CON1 - 18	CON-PAD-AWG18	
NCE6003	SOT-23 SOT23	Q6, Q7, Q18	SOT-23	MOS-NCE6003-N	
5551 STP6621	SO-8	Q8, Q12, Q15 Q9, Q10	SOT-23 SO-8-MOS	Q-MMBT5551-NPN MOS-STP6621-P MOS-EMB20P06A-	
EMB20P06A	TO-252	Q11	TO-252-3-2	P	
5551 5401	SOT23 SOT23	Q13, Q14, Q16, Q17 Q19	SOT23 SOT-23	Q-MMBT5551-NPN Q-MMBT5401-PNP	
10R	R-0805 R-0603	R1	RES_0805	R-0805-10R-F	
10R 100R	R-0603 R-0603	R2 R3, R6, R8, R18, R22,	RES_0603 RES_0603	R-0603-10R-F R-0603-100R-F	
100K	R=0603	R35, R37, R61 R4, R9	RES_0603	R-0603-100K-F	
56K	0603 resistor	R5 R7 R10 R12 R13	RES_0603	R-0603-56K-F	
10K				ı	1
10K	R-0603	R14, R15, R16, R17, R20, R23, R25, R27, R29, R31, R33, R36	RES_0603	R-0603-10K-F	
10K	R-0603	R14, R15, R16, R17, R20, R23, R25, R27, R29, R31, R33, R36, R44, R58, R63, R65, R47, R73, R74, R75	RES_0603	R-0603-10K-F	
20K	R-0603	R14, R15, R16, R17, R20, R23, R25, R27, R29, R31, R33, R36, R44, R58, R63, R65, R67, R73, R74, R75, R76, R80, R94, R102 R11	RES_0603	R-0603-20K-F	
20K 2.2K	R-0603 R-0603	R14, R15, R16, R17, R20, R23, R25, R27, R29, R31, R33, R36, R44, R58, R63, R65, R67, R73, R74, R75, R76, R80, R94, R102 R11 R19	RES_0603 RES_0603	R-0603-20K-F R-0603-2.2K-F	
20K 2.2K 0.2R	R-0603 R-0603 R-1206	R14, R15, R16, R17, R20, R23, R25, R27, R29, R31, R33, R36, R44, R58, R63, R65, R67, R73, R74, R75, R76, R80, R94, R102 R11 R19 R21, R24, R26, R28, R30, R32, R34, R66	RES_0603 RES_0603 RES_1206	R-0603-20K-F R-0603-2.2K-F R-1206-0.2R-F	
20K 2.2K	R-0603 R-0603	R14, R15, R16, R17, R20, R23, R25, R27, R29, R31, R33, R36, R44, R58, R63, R65, R67, R73, R74, R75, R76, R80, R94, R102 R11 R19, R21, R24, R26, R28, R30, R32, R34, R66 R38 R39, R56, R68, R77, R78, R81, R83, R84, R85, R86, R88, R95,	RES_0603 RES_0603	R-0603-20K-F R-0603-2.2K-F	
20K 2.2K 0.2R 300R	R-0603 R-0603 R-1206 R-0603	R14, R15, R16, R17, R20, R23, R25, R27, R29, R31, R33, R36, R44, R58, R63, R65, R67, R73, R74, R75, R76, R80, R94, R102 R11 R19 R21, R24, R26, R28, R30, R32, R34, R66 R38 R39, R56, R66, R77, R78, R81, R83, R84,	RES_0603 RES_0603 RES_1206 RES_0603	R-0603-20K-F R-0603-22K-F R-1206-0.2R-F R-0603-300R-F R-0603-1K-F	
20K 22K 0.2R 3300R	R-0603 R-0603 R-1206 R-0603 R-0603	214, R15, R16, R17, R20, R22, R25, R27, R29, R31, R33, R34, R48, R58, R63, R65, R67, R72, R72, R72, R72, R72, R72, R72, R7	RES_0603 RES_0603 RES_1206 RES_0603 RES_0603	R-0603-20K-F R-0603-22K-F R-1206-0.2R-F R-0603-300R-F R-0603-1K-F R-0603-0R-F	
20K 2.2K 0.2R 300R	R-0603 R-0603 R-1206 R-0603	914, 815, 916, 817, 200, 828, 829, 821, 823, 826, 824, 825, 826, 826, 827, 827, 828, 821, 823, 825, 826, 820, 824, 8102, 821, 821, 822, 824, 820, 824, 8102, 821, 824, 825, 826, 828, 827, 827, 828, 828, 828, 829, 829, 829, 829, 829	RES_0603 RES_0603 RES_1206 RES_0603	R-0603-20K-F R-0603-22K-F R-1206-0.2R-F R-0603-300R-F R-0603-1K-F	
20K 2.2K 0.2R 300R 1K 0R	R-0603 R-0603 R-1206 R-0603 R-0603 R-0603	874, 815, 816, 817, 827, 827, 829, 821, 823, 824, 824, 825, 826, 827, 827, 827, 827, 827, 827, 827, 827	RES_0603 RES_0603 RES_1206 RES_0603 RES_0603 RES_0603	R-0603-20K-F R-0603-22K-F R-1206-0.2R-F R-0603-300R-F R-0603-1K-F R-0603-0R-F R-0603-51K-F	
20K 2.2% 0.2R 300R 1K 0R 51K 0R	R-0603 R-1206 R-0603 R-10603 R-0603 R-0603 R-0603 R-0603 R-0603 R-0402 R-0402	814, 815, 816, 817, 820, 821, 821, 821, 821, 821, 821, 821, 821	RES 0603 RES 0603 RES 17006 RES 0603 RES 0603 RES 0603 RES 0603 RES 0603 RES 0603 RES 0602 RES 0602	R-0603-20K-F R-0603-22K-F R-1206-02R-F R-0603-300R-F R-0603-1K-F R-0603-0R-F R-0603-0R-F R-0603-0R-F R-0402-0R-F R-0402-10K-F	
20K 2.2 X 0.2 R 3.0 O R 11K O R 5.5 IK O R	R-0603 R-0603 R-1206 R-0603 R-0603 R-0603 R-0603 R-0402 R-0402 R-0402 R-0402	R14, R15, R16, R17, R20, R22, R27, R29, R31, R33, R36, R44, R58, R61, R44, R58, R61, R51, R51, R51, R51, R51, R51, R51, R52, R52, R51, R52, R52, R51, R52, R52, R51, R52, R52, R51, R52, R52, R51, R52, R52, R51, R52, R52, R53, R52, R52, R53, R52, R52, R53, R52, R52, R53, R52, R52, R53, R52, R52, R53, R52, R53, R54,	RES. 0403 RES. 0403 RES. 1206 RES. 1206 RES. 0403 RES. 0403 RES. 0403 RES. 0402 RES. 0402 RES. 0402 RES. 0402 RES. 0402 RES. 0402	R-0603-20K-F R-0603-20K-F R-1206-0.2R-F R-1206-0.2R-F R-0603-300R-F R-0603-1K-F R-0603-0R-F R-0603-51K-F R-0402-0R-F R-0402-0R-F R-0402-47R-F R-0402-47R-F R-0512-0.2R-F	
20K 2 2 2K 0 2R 3 300R 1 K 0 R 5 1 K 0 R 1 1 0 K 4 7 R 0 2 R 2 2 0 0 K	R-0603 R-0603 R-1206 R-0603 R-0603 R-0603 R-0603 R-0402 R-0402 R-0402 R-0402 R-0402 R-0402 R-0402 R-0402 R-0603 R-0603 R-0603 R-0603 R-0603 R-0603 R-0603	814, 815, 816, 817, 820, 821, 821, 821, 821, 821, 821, 821, 821	8ES 0403 8ES 0403 8ES 0403 8ES 0403 8ES 0403 8ES 0403 8ES 0403 8ES 0402 8ES 0402 8ES 0402 8ES 0402 8ES 0402 8ES 0402 8ES 0402	R-0603-20K-F R-0603-20K-F R-0603-27K-F R-0603-300R-F R-0603-0R-F R-0603-0R-F R-0603-0R-F R-0603-0R-F R-0603-0R-F R-0603-20K-F R-0603-20K-F R-0603-20K-F	
20K 2.2K 2.2K 2.2K 0.2R 0.2R 0.00R 0.0R 0.0R 0.0R 0.0R 0.0	R-0603 R-0603 R-0603 R-1206 R-0603 R-0603 R-0603 R-0603 R-0402 R-0402 R-0402 R-212 R	814, 815, 816, 817, 817, 820, 821, 821, 821, 821, 821, 821, 821, 823, 824, 824, 825, 821, 821, 823, 824, 824, 825, 821, 821, 821, 821, 821, 821, 821, 821	RES_0403 RES_0403 RES_0403 RES_0403 RES_0403 RES_0403 RES_0403 RES_0402 RES_0402 RES_0402 RES_0402 RES_0402 RES_0403 RES_0402 RES_0403	R-0603-20K-F R-0603-20K-F R-0603-22K-F R-0603-300R-F R-0603-0R-F R-0603-0R-F R-0402-0R-F R-0402-10K-F R-0402-10K-F R-0402-10K-F R-0402-10K-F R-0402-10K-F R-0402-10K-F R-0402-10K-F R-0402-10K-F R-0402-10K-F R-0402-10K-F	
20K 2 2 3K 2 2 3K 0 2 2R 3000R 11K 60R 55 1K 60R 67 2 8R 60 2 8R 60 2 8R 60 8R NC 55 1K 1404711K	R-0603 R-0603 R-0603 R-1206 R-0603 R-0603 R-0603 R-0603 R-0402 R-0402 R-0402 R-0402 R-0603 R-	814, 815, 816, 817, 820, 821, 821, 821, 821, 821, 821, 821, 821	865,0603 865,0603 865,0603 865,1006 865,0603 865,0603 865,0603 865,0603 865,0603 865,0602 865,0602 865,0602 865,0603 865	R-0603-20K-F R-0603-20K-F R-1206-02R-F R-0603-300R-F R-0603-0R-F R-0603-0R-F R-0603-0R-F R-0603-0R-F R-0603-0R-F R-0603-0R-F R-0603-0R-F R-0603-0R-F R-0603-0R-F R-0603-0R-F R-0603-0R-F R-0603-0R-F R-1206-0R-F R-1206-0R-F	
20K 2 2 3K 2 2 3K 2 2 3K 300R 31K 4 300R 5 1K 5 1K 6 0 8 6 10 8 6 10 8 6 8 NG 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R-0603 R-0603 R-0603 R-0603 R-0603 R-0603 R-0603 R-0602 R-0402 R-0402 R-0402 R-0402 R-0402 R-0402 R-0403 R-0403 R-0403 R-0403 R-0503 R-	ET4, 815, 816, 817, 817, 817, 817, 817, 817, 817, 817	RES 0403 RES 0403 RES 0403 RES,1206 RES,0403 RES,0403 RES,0403 RES,0402 RES,0402 RES,0402 RES,0402 RES,0403 RES,0402 RES,0403 RES,0402 RES,0403 RES,0402 RES,0403 RES,0403 RES,0404 RES,0405 RES,0406 RES,0406 RES,0407 RES,0407 RES,0408 RES	8-0403-30K-F R-1206-0-28-F R-1206-0-28-F R-0403-300R-F R-0403-30K-F R-0403-1K-F R-0403-1K-F R-0403-1K-F R-0403-1K-F R-0403-1K-F R-0403-10K-F R-04	
20K 22K 22K 22K 22K 22K 22K 22K 22K 22K	R - 0403 R - 1206 R - 1206 R - 10603 R - 0603 R - 0603 R - 0603 R - 0402 R - 0402 R - 0402 R - 0402 R - 0402 R - 0402 R - 0403 R	Bit 8 115 116 18 77. 20' 9 171 18 18 18 17. 20' 9 171 18 18 18 18 18 18 18 18 18 18 18 18 18	RES 04007 RES 10007 RES 10003 RES 04003 RES 04003 RES 04003 RES 04003 RES 04002 RES 04002	8: 0.003.20X.F. 8: 0.003.20X.F. 8: 0.003.20X.F. 8: 0.003.20X.F. 8: 0.003.30X.F. 8: 0.003.20X.F. 8: 0.003.20X.F	
20K 2 2 3K 2 2 3K 2 2 3K 300R 31K 4 300R 5 1K 5 1K 6 0 8 6 10 8 6 10 8 6 8 NG 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R-0603 R-0603 R-0603 R-0603 R-0603 R-0603 R-0603 R-0602 R-0402 R-0402 R-0402 R-0402 R-0402 R-0402 R-0403 R-0403 R-0403 R-0403 R-0503 R-	ET4, 815, 816, 817, 817, 817, 817, 817, 817, 817, 817	RES 0403 RES 0403 RES 0403 RES,1206 RES,0403 RES,0403 RES,0403 RES,0402 RES,0402 RES,0402 RES,0402 RES,0403 RES,0402 RES,0403 RES,0402 RES,0403 RES,0402 RES,0403 RES,0403 RES,0404 RES,0405 RES,0406 RES,0406 RES,0407 RES,0407 RES,0408 RES	R-0603-20X-F R-0603-20X-F R-0603-20X-F R-0603-10X-F R-0603-10X-F R-0603-10X-F R-0603-10X-F R-0603-10X-F R-0603-00X-F R-060	