【 部品表 】 NT2400R56-2Crev1.2部品表

【	部舶表 】N12400R30-2CreV1.2部品表					
R&D unit, NEC TOKIN	I Corporation	対象回路図情報		7		
基板機能	作成者	回路図名				
IEEE802.15.4-2.4GHz無線通信	小野瀬克也	MCUブロック				
部品表ファイル名	作成日	78K0R_KE3 C	作成日			
NT2400R56-2C(100511)部品表.xls	2009年10月20日	RFブロック	2009年10月20日			
ボード名	版数	UZ2400.D C	版数			
NT2400R56-2C rev1.2		1		1.1		

1\_MCUブ<u>ロック</u>

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	No.	Symbol	Name	PCB Footprint.(SILK)	Type	Supplier	PKG (mm)	Description	Remarks
[	1	C101	Capacitor, Tantalum	2012	PSLP0J106M	NEC TOKIN	2.0x1.25xt1.1	Neo,10uF,6.3V,0.2Ω,6.3uA,P-case	代ESVP0J106M,6 Ω,0.6uA
	2	C102	Capacitor, Tantalum	2012	PSLP0J106M	NEC TOKIN	2.0x1.25xt1.1	Neo,10uF,6.3V,0.2 Ω,6.3uA,P-case	代ESVP0J106M,6Ω,0.6uA
	3	C103	Capacitor , Ceramic	1005	MCH153FN104ZK	ROHM	1.0x0.5xt0.5	0.1uF,16V,-20%+80%	
	4	C104	Capacitor , Ceramic	1005	MCH153FN104ZK	ROHM	1.0x0.5xt0.5	0.1uF,16V,-20%+80%	
	5	C105	Capacitor , Ceramic	1005	MCH153FN104ZK	ROHM	1.0x0.5xt0.5	0.1uF,16V,-20%+80%	
	6	C106	Capacitor , Ceramic	1005	GRM1552C1H220J	murata	1.0x0.5xt0.5	22pF,50V, ±5%	X101調節
	7	C107	Capacitor , Ceramic	1005	GRM1552C1H220J	murata	1.0x0.5xt0.5	22pF,50V, ±5%	X101調節
	8	C108	Capacitor ,Ceramic			murata	1.0x0.5xt0.5	0.47uF,16V,±10%	
	9	C109	Capacitor , Ceramic	1005	MCH153FN104ZK	ROHM	1.0x0.5xt0.5	0.1uF,16V,-20%+80%	
	10	C110	Capacitor ,Ceramic	1005	GRM1554C1H1R0C	murata	1.0x0.5xt0.5	1pF,50V,±0.25pF	X102調節
L	11	C111	Capacitor , Ceramic	1005		murata	1.0x0.5xt0.5	1pF,50V, ±0.25pF	X102調節
L			Resistor, chip	1608	RC0603JR-070RL	Yageo	1.6x0.8xt0.5	0Ω	
L	13	R103	Resistor, chip	1608	RC0603FR-071KL	Yageo	1.6x0.8xt0.5	1kΩ	
L	14	ZD101	ZENER DIODE	2108	RD5.6UM	NECEL	2.1x0.8xt0.7	150mW,B規格,Vz3.7-4.1V	
L	15	F101	Fuse	1608	FCC16102ADB	KAMAYA	1.6x0.8xt0.45	1A,110m Ω max	
L	16	J101	Connector (HEADER, Straight)	20.0x5.7SMT	DF17(2.0)-060DP-0.5V(57)	hirose	20.0x5.7xt4.3	60pin,0.3A,0.5mm,金,Header,Straight	
L	17	Y101	Filter	3216-3port	NFE31PT222Z1E	murata	3.2x1.6xt1.6	2200pF±50%,25Vdc,6A	
L	18	Y102	Filter	3216-3port	NFE31PT222Z1E	murata	3.2x1.6xt1.6	2200pF±50%,25Vdc,6A	
L	19	U101	MCU	FPBGA64	UPD78F1146AF1-AN1-A	NECEL	5.0x5.0xt0.9	16-BIT,78K0R/KE3,ROM256KB,RAM12KB	
L	20	X101	Quartz crystal	3225	TSX-3225	EPSON TOYOCOM	3.2x2.5xt0.6	20MHz,60 Ω max, ±10ppm	
L	21		Quartz crystal	3215	DST310S	KDS	3.2x1.5x0.7t	32.768kHz,80k Ω max., ±20ppm	
ı	22	PD101	PAD					0.5×2mm シールド用	
	23	PD102	PAD					0.5×2mm シールド用	
	24	PD103	PAD					0.5×2mm シールド用	
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2\_RFブロ<u>ック</u>

No. Symbol   Name   PCB Footprint,(SILK)   Type   Supplier   PKG (mm)   Description   Remarks	ック							
C2020   Capacitor Ceramic   1005   LMK105CK1R2CW-T   TAIYO YUDEN   1.0x0.5xt0.5   1.2pF								
3 (203   Capacitor, Ceramic   1005   -   10x0 5xt0.5   (n.c.)								
4 (2004   Capacitor, Ceramic   1005   MCR01MZP_J000   ROHM   10x05xt0.5   0.0								
5 (205   Capacitor, Ceramic   1005   -   -   10x0 5xtt0.5   (n.c.)								
6 (206   Capacitor, Ceramic   1005 (DMK105CH100DW-T TAI/O YUDEN   10x0 5xt0.5   10pF,50V,±5%     7 (207   Capacitor, Ceramic   1005 (1005 DE103KT   TDK   10x0 5xt0.5   0.01uF,25V,±10%     8 (208   Capacitor, Ceramic   1005 (GRM1555CH470.1 murata   1.0x0 5xt0.5   47pF,50V,±5%     9 (209   Capacitor, Ceramic   1005 (GRM1555CH470.1 murata   1.0x0 5xt0.5   47pF,50V,±5%     10 (211   Capacitor, Ceramic   1005 (GRM1555CH470.1 murata   1.0x0 5xt0.5   47pF,50V,±5%     11 (2211   Capacitor, Ceramic   1005 (C0402C390.156ACTU   Kemet   1.0x0 5xt0.5   39pF,50V,±5%     12 (212   Capacitor, Caramic   1005 (G0402C390.156ACTU   Kemet   1.0x0 5xt0.5   39pF,50V,±5%     12 (212   Capacitor, Ceramic   1005 (G0402C390.156ACTU   Kemet   1.0x0 5xt0.5   39pF,50V,±5%     12 (212   Capacitor, Ceramic   1005 (G0402C390.156ACTU   Kemet   1.0x0 5xt0.5   30pF,50V,±5%     13 (213   Capacitor, Ceramic   1005 (GRP155F10.105ZD02Emurata   1.0x0 5xt0.5   1uF     14 (2214   Capacitor, Ceramic   1005 (GRP155F10.105ZD02Emurata   1.0x0 5xt0.5   1uF     15 (215   Capacitor, Ceramic   1005 (GRM1555CH470.1 murata   1.0x0 5xt0.5   47pF,50V,±5%   10014C10.1 murata   1.0x0 5xt0.5   47pF,50V,±5%   10014C10.1 murata   1.0x0 5xt0.5   18pF,50V,±5%   10014C10.1 murata   1.0x0 5xt0.5   18pF,50V,±5%   12014BB   10014C10.1 murata   1.0x0 5xt0.5   47pF,50V,±5%   12014BB   12								
T C207								
8 (209								
9   C209   Capacitor Ceramic   1005   GRM 1555C   1470.1   murata   1.0x0 5xt0.5   47pF,50V,±5%								
10   10   10   10   10   10   10   10								
11   C211   Capacitor, Ceramic   1005 (C0402C390.15GACTU   Kemet   10x0.5xt0.5   39pr.50v.±5%     12   C212   Capacitor, Tantalum   2012   PSLP0.01106M   NEC TOKIN   2.0x1.25xt1.1   Neo.10ur.6.3V.0.2 Ω, 6.3uA,P-case     13   C213   Capacitor, Ceramic   1005 (GPRI) 55F 10.0105ZD02E murata   1.0x0.5xt0.5   1uF     14   C214   Capacitor, Ceramic   1005 (GRM155SC1H470.1 murata   1.0x0.5xt0.5   0.01ur.25V,±10%     15   C215   Capacitor, Ceramic   1005 (GRM155SC1H470.1 murata   1.0x0.5xt0.5   47pr.50V,±5%   x201iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii								
12   C212   Capacitor, Tantalum   2012   PSLP0.J106M   NEC TOKIN   2.0x1.25xt.1.1   Neo.10uF,6.3V,0.2 Ω,6.3uA,P-case     13   C213   Capacitor, Ceramic   1005   GRP155F10.J105ZD02E murata   1.0x0.5xt0.5   1uF     14   C214   Capacitor, Ceramic   1005   GRP155F10.J105ZD02E murata   1.0x0.5xt0.5   0.01uF,25V,±10%     15   C215   Capacitor, Ceramic   1005   GRM1555C1H470.J   murata   1.0x0.5xt0.5   18pF,50V,±5%   X201調節     16   C216   Capacitor, Ceramic   1005   MCH155A180.JK   ROHM   1.0x0.5xt0.5   18pF,50V,±5%   X201調節     17   C217   Capacitor, Ceramic   1005   MCH155A180.JK   ROHM   1.0x0.5xt0.5   18pF,50V,±5%   X201調節     18   C218   Capacitor, Ceramic   1005   GRM1552C1H470.J   murata   1.0x0.5xt0.5   47pF,50V,±5%   X201調節     19   C219   Capacitor, Ceramic   1005   GRM1552C1H470.J   murata   1.0x0.5xt0.5   47pF,50V,±5%   X201調節     19   C219   Capacitor, Ceramic   1005   GRM1552C1H470.J   murata   1.0x0.5xt0.5   47pF,50V,±5%   X201調節     20   C220   Capacitor, Ceramic   1005   GRM1552C1H370.J   murata   1.0x0.5xt0.5   47pF,50V,±5%   X201336								
13   C213   Capacitor Ceramic   1005 GRP155F10.1105ZD02Emurata   1.0x0.5xtt0.5   1uF								
14 (2214 Capacitor, Ceramic         1005 C1005.B1E103KT         TDK         10x0.5xt0.5         0.01uF,25V,±10%           15 C215 Capacitor, Ceramic         1005 GRM1555C1H470J         murata         1.0x0.5xt0.5         47pF,50V,±5%           16 C216 Capacitor, Ceramic         1008 MCH155A180JK         ROHM         1.0x0.5xt0.5         18pF,50V,±5%         X201調節           17 C217 Capacitor, Ceramic         1005 MCH155A180JK         ROHM         1.0x0.5xt0.5         18pF,50V,±5%         X201調節           18 C218 Capacitor, Ceramic         1005 GRM1552C1H470J         murata         1.0x0.5xt0.5         47pF,50V,±5%         X201調節           19 C219 Capacitor, Ceramic         1005 GRM1552C1H470J         murata         1.0x0.5xt0.5         47pF,50V,±5%         X201調節           20 C220 Capacitor, Ceramic         1005 GRM1552C1H470J         murata         1.0x0.5xt0.5         47pF,50V,±5%         X201割節           21 C221 Capacitor, Ceramic         1005 C10053B1E103KT         TDK         1.0x0.5xt0.5         0.01uF,25V,±10%         X20120         X20120 Capacitor, Ceramic         X2								
15   C215   Capacitor Ceramic   1005 (GRM1555C1H470.)								
16   C216   Capacitor Ceramic   1005 MCH155A180JK   ROHM   1.0x0.5xt0.5   18pF,50V,±5%   X201iiiiiii   17   C217   Capacitor Ceramic   1005 MCH155A180JK   ROHM   1.0x0.5xt0.5   18pF,50V,±5%   X201iiiiii   X201iiiii   X201iiiii   X201iiiii   X201iiii   X201iiii   X201iii   X201iii   X201ii   X201								
17   C217   Capacitor Ceramic   1005 MCH155A180.JK   ROHM   10x05xt0.5   18pF.50V.±5%   X201調節   18   C218   Capacitor Ceramic   1005 GRM1552C1H470.J   murata   1.0x05xt0.5   47pF.50V.±5%   X201調節   Y1pF.50V.±5%   X201調節   X20131   X201311   X20131   X20131   X20131   X20131   X201311   X20131   X20131   X20131   X201311								
18 (218 Gapacitor, Ceramic 1005 GRM1552C1H470J. murata 10x05xt0.5 47pF,50V,±5% 19 (2219 Capacitor, Ceramic 1005 GRM1552C1H470J. murata 10x05xt0.5 47pF,50V,±5% 20 (220 Capacitor, Ceramic 1005 Gr005JB1E103KT TDK 10x05xt0.5 47pF,50V,±5% 21 (221 Capacitor, Ceramic 1005 Gr005JB1E103KT TDK 10x05xt0.5 0.01uF,25V,±10% 21 (221 Capacitor, Ceramic 1005 Gr005JB1E103KT TDK 10x05xt0.5 0.01uF,25V,±10% 22 (1201 Inductor, chip 1005 JMK1605CK1R3BW−1 TATYO YUDO.5 xt0.5 1.3pF 22 (1202 Inductor, chip 1005 JMK161005S3NSS TDK 10x05xt0.5 1.3pF 22 (1202 Inductor, chip 1005 JMK161005S3NSS TDK 10x05xt0.5 3.6nH ±0.3nH 500mA 22 (1202 Resistor, chip 1005 JMCR01MZPJ000 ROHM 10x05xt0.5 0.0 Q 2 (1202 Resistor, chip 1005 JMCR01MZPJ000 ROHM 10x05xt0.5 0.0 Q 2 (1202 Resistor, chip 1608 RC0603JR-070RL 10x05xt0.5 0.0 Q (1202 RESistor, chip 1608 RC0603J								
19   C219   Capacitor Ceramic   1005 GRM1552C1H470.J   murata   1.0x0.5xt0.5   47pF,50V,±5%     20   C220   Capacitor Ceramic   1005 G1005JB1E103KT   TDK   1.0x0.5xt0.5   0.01uF,25V,±10%     21   C221   Capacitor Ceramic   1005 G1005JB1E103KT   TDK   1.0x0.5xt0.5   0.01uF,25V,±10%     22   L201   Inductor chip   1005 GMC1005JB1E103KT   TDK   1.0x0.5xt0.5   1.3pF     23   L202   Inductor chip   1005 JMK105CK1R3BW−T   TAIYO YUDEN   1.0x0.5xt0.5   1.3pF     24   R201   Resistor chip   1005 JMC100533N6S   TDK   1.0x0.5xt0.5   3.6nH ±0.3nH 500mA     24   R201   Resistor chip   1005 JMC100533N6S   TDK   1.0x0.5xt0.5   0.0								
20								
21   C221   Capacitor , Ceramic   1005   C1005JB1E103KT   TDK   1.0x0.5xt0.5   0.01uF,25V,±10%     22   L201   Inductor , chip   1005   UMK105CK 1R3BW-T   TAIYO YUDEN   1.0x0.5xt0.5   1.3pF       23   L202   Inductor , chip   1005   MLG1005S3N6S   TDK   1.0x0.5xt0.5   3.6nH ±0.3nH 500mA     24   R201   Resistor , chip   1005   MCR01MZPJ000   ROHM   1.0x0.5xt0.5   0.Ω     25   R202   Resistor , chip   1608   RC6603JR-070RL   Yageo   1.6x0.8xt0.5   0.Ω     26   J201   SMA receptacle   2020   WFL-R-SMT-1(10)   Hirose   2.0x2.0xt0.85   50.Ω   DC100V   DC~6GHz     27   Y201   Bandpass Filter   2520   DEA252450BT-2027A1   TDK   2.5x2.0xt1.0   (n.c.)   #A.M#.±1.2dBMAX/2.4-2.5G     28   Y202   Balun   1608   LDB21/2G400D   UBEC   5.0x5.0xt1.0   IEEEB02.15.4, 2.5dHz								
22   L201   Inductor ,chip   1005   IMK105CK1 R3BW-T   TAI/O YUDEN   10x05xt0.5   1.3pF   23   L202   Inductor ,chip   1005   MLG1005S3N6S   TDK   1.0x05xt0.5   3.6nH ±0.3nH 500mA   24   R201   Resistor ,chip   1005   MCR01MZPJ000   ROHM   1.0x05xt0.5   0.Ω   0.2								
23   L202   Inductor , chip   1005   MLG1005S3N6S   TDK   1.0x0.5xt0.5   3.6nH ±0.3nH 500mA     24   R201   Resistor , chip   1005   MCR01MZP.0000   ROHM   1.0x0.5xt0.5   0Ω     25   R202   Resistor , chip   1608   RC0603JR-070RL   Yageo   16x0.8xt0.5   0Ω     26   J201   SMA receptacle   2020   W.F.LRSMT-1(10)   Hirose   2.0x2.0xt0.85   50Ω   DC100V   DC~6GHz     27   Y201   Bandpass Filter   2520   DEA5254508T-2027A1   TDK   2.5x2.0xt1.0   (n.c.)   排入損失1.2dBMAX/2.4-250     28   Y202   Salun   1608   LDB212G400D   UBEC   5.0x5.0xt1.0   IEEEB002.15.4, 2.4GHz								
24 R201         Resistor ,chip         1005 MCR01MZPJ000         ROHM         1.0x0.5xt0.5         0Ω           25 R202         Resistor ,chip         1608 RC0603JR-070RL         Yageo         1.6x0.8xt0.5         0Ω           26 J201         SMA receptacle         2020 WFL-R-SMT-1(10)         Hirose         50Ω DC100V DC~6GHz           27   Y201         Bandpass Filter         2520 Dex2624698T-2027A1         TDK         2.5x2.0xt1.0         (n.c.)         #A.##±1.2dBMAX/2+2.5G           28   Y202         Balun         1608 LDB212G4002C-001         murata         1.6x0.8xt0.6         50Ω 2.3GHz~2.5GHz           29   U201         RFIC         40GFN   UZ2400D         UBEC         5.0x5.0xt1.0         IEEE802.15.4         2.4GHz								
25 R202   Resister_chip   1608 RC0603JR-070RL   Yageo   15x08xt0.5   0Ω   26 J201   SMA receptacle   2020 W.FL-R-SMT-1(10)   Hirose   2.0x2.0xt0.85   50Ω DC100V DC~6GHz   27   Y201   Bandpass Filter   2520   DE425245081-2027A1   TDK   2.5x2.0xt1.0   (n.c.)   M-λ (n.c.)   M-								
26 J201         SMA receptacle         2020 W.F.LRSMT-1(10)         Hirose         2.0x2.0xt0.85         50 Ω DC100V DC~6GHz           27 Y201         Bandpass Filter         2520 Dex2524509T-2027A1         TDK         2.5x2.0xt1.0         (n.c.)         排入損失1.2dBMAX/2+250           28 Y202         Balun         1608 LDB212G4020C-001         murata         1.6x0.8xt0.6         50 Ω 2.3GHz~2.5GHz           29 U201         RFIC         40QFN UZ2400D         UBEC         5.0x5.0xt1.0         IEEEB02.15.4, 2.4GHz								
27   Y201   Bandpass Filter   2520   Dex3524598T-2027A1   TDK   2.5×2.0xt1.0   (n.c.)   排入損失12dBMAX(2.4-2.50   28   Y202   Balun   1508   LDB212G400DC   murata   1.5x0.8xt1.6   50Ω 2.3GHz~2.5GHz   29   Y201   RFIC   40QFN   UZ2400DC   UBEC   5.0×5.0xt1.0   IEEEB002.15.4, 2.4GHz								
28 Y202         Balun         1608 LDB212G4020C-001         murata         1.6x0.8xt0.6         50 Ω 2.3GHz ~2.5GHz           29 U201         RFIC         40QFN UZ2400D         UBEC         5.0x5.0xt1.0         IEEE802.15.4, 2.4GHz								
29 U201 RFIC 40QFN UZ2400D UBEC 5.0x5.0xt1.0 IEEE802.15.4, 2.4GHz	)減衰量35dB							
30 X201 Quartz crystal 3225 DSX321SL KDS 3.2x2.5xt0.6 32MHz								
31 PD201 PAD 1×1mm								
32								
33								
34								
35								

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	No.	Symbol	Name	PCB Footprint.(SILK)	Type	Supplier	PKG (mm)	Description	Remarks
	1	C301	Capacitor ,Ceramic	1005	GRM1554C1H1R0C	murata	1.0x0.5xt0.5	1pF,50V, ±0.25pF	
	2	A301	Pattern antenna						
	3								
	4								
	5								