RENESAS

M3T-100LCC-QSD

Converter Board for Connecting 100D0 to 100P6Q-A, 100P6D-A

User's Manual

Renesas Tools Homepage http://www.renesas.com/en/tools

⚠ **CAUTION**   If the requirements shown in the "CAUTION" sentences are ignored, the equipment may cause personal injury or damage to the products.

Renesas Technology
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1. Outline

The M3T-100LCC-QSD is a converter board for connecting 100-pin 0.65-mm-pitch LCC (100D0) to 100-pin 0.5-mm-pitch LQFP (100P6Q-A or 100P6D-A).

2. Package Components (See Figure 1)

(1) M3T-100LCC-QSD x1
(2) TQSOCKET100SDG (Tokyo Eletech Corporation) x1
(3) TQPACK100SD (Tokyo Eletech Corporation) x1
(4) M3T-100LCC-QSD User's Manual (This manual)

3. Specifications

Table 1 Specifications

Applicable package	100P6Q-A or 100P6D-A (100-pin 0.5-mm-pitch LQFP)
Insertion/removal iterations of IC socket	20 times guaranteed

4. Usage (See Figure 2)

The M3T-100LCC-QSD can be used for debugging and onboard evaluation in common.

(1) For debugging

Mount the TQPACK100SD on the foot pattern of the target system. And mount the TQSOCKET100SDG and M3T-100LCC-QSD on it. Then attach the cable of the emulator to the upper IC socket of the M3T-100LCC-QSD.

(2) For onboard evaluation

Mount an MCU with EPROM (100D0) on the upper IC socket of the M3T-100LCC-QSD.

Before using the M3T-100LCC-QSD, be sure to read "7. Precautions" on page 4.

(1) M3T-100LCC-QSD main unit

(2) TQSOCKET100SDG   (3) TQPACK100SD
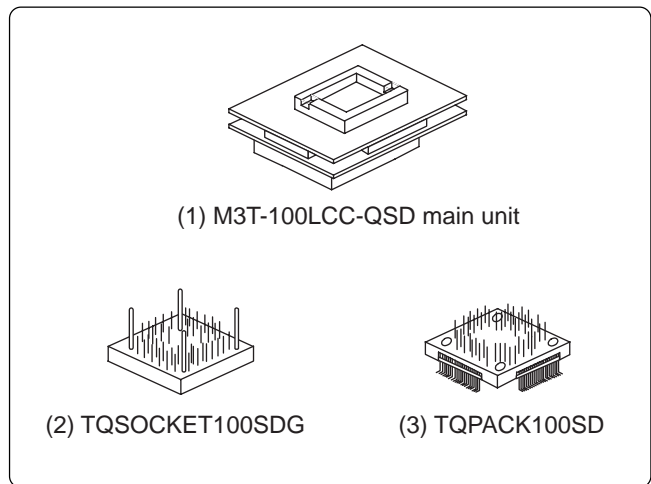
Figure 1 Package component of the M3T-100LCC-QSD
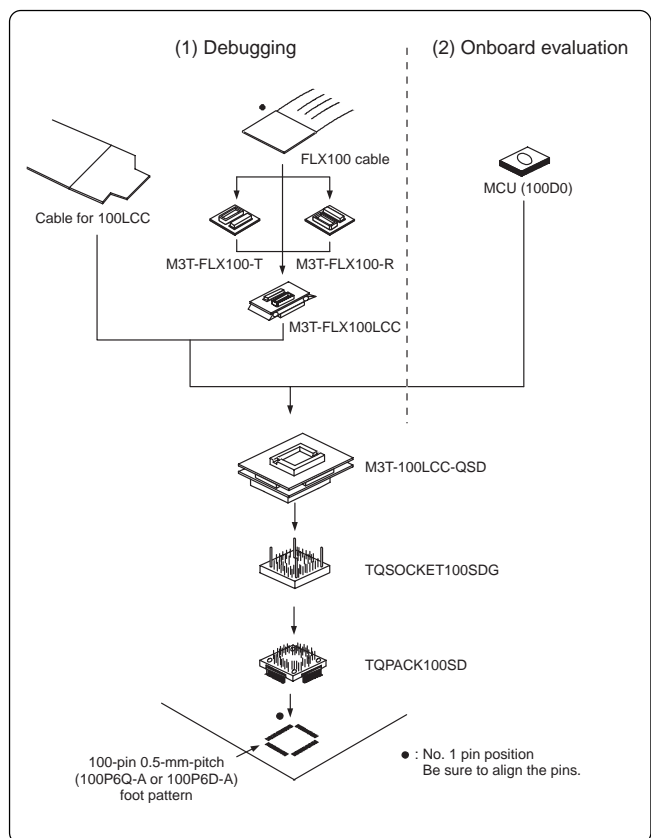
Figure 2 Usage of the M3T-100LCC-QSD

5. Connection Procedure (See Figure 3)

The procedure for connecting the M3T-100LCC-QSD is shown below.

(1) Mount the TQPACK100SD on the target system.

(2) Attach the TQSOCKET100SDG to the TQPACK100SD.

(3) Attach the M3T-100LCC-QSD to the TQSOCKET100SDG.
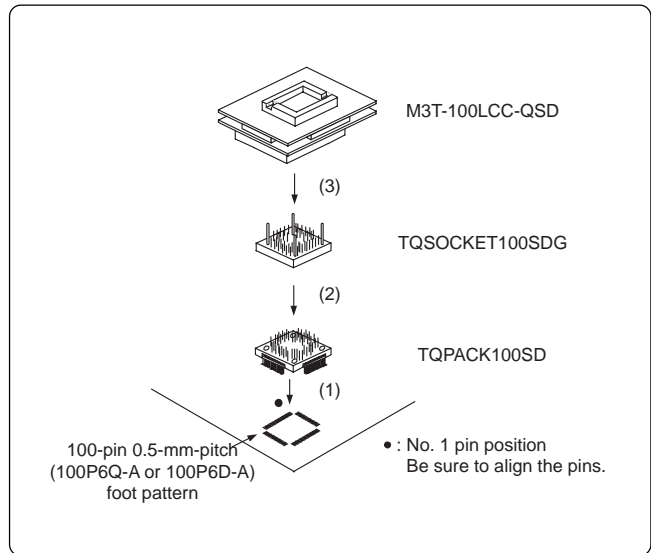
Figure 3 Connecting procedure

6. External Dimensions and a Sample Foot Pattern

Figure 4 External dimensions of the M3T-100LCC-QSD and its sample foot pattern

7. Precautions

IMPORTANT

Cautions to Be Taken for This Product:

- We cannot accept any request for repair.
- To purchase the TQPACK100SD and TQSOCKET100SDG for replacement, contact the following.

    Tokyo Eletech Corporation
    http://www.tetc.co.jp/e_tet.htm

- For inquiries about this product or the contents of this manual, contact your local distributor.

    Renesas Tools Homepage
    http://www.renesas.com/en/tools

8. Pin Correspondence

Table 2 Pin correspondence

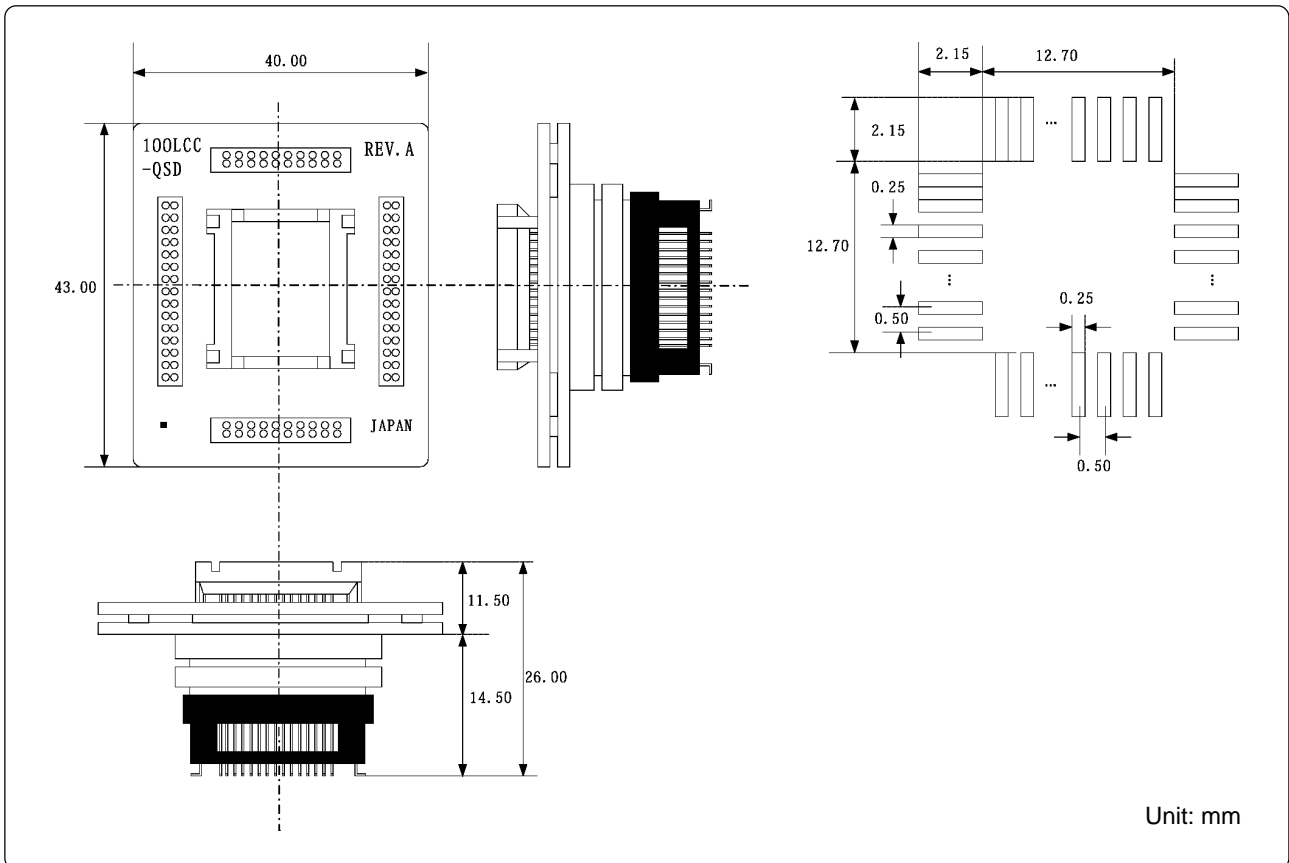| 100-pin LCC socket	TQPACK	100-pin LCC socket	TQPACK	100-pin LCC socket	TQPACK	100-pin LCC socket	TQPACK
1	99	26	24	51	49	76	74
2	100	27	25	52	50	77	75
3	1	28	26	53	51	78	76
4	2	29	27	54	52	79	77
5	3	30	28	55	53	80	78
6	4	31	29	56	54	81	79
7	5	32	30	57	55	82	80
8	6	33	31	58	56	83	81
9	7	34	32	59	57	84	82
10	8	35	33	60	58	85	83
11	9	36	34	61	59	86	84
12	10	37	35	62	60	87	85
13	11	38	36	63	61	88	86
14	12	39	37	64	62	89	87
15	13	40	38	65	63	90	88
16	14	41	39	66	64	91	89
17	15	42	40	67	65	92	90
18	16	43	41	68	66	93	91
19	17	44	42	69	67	94	92
20	18	45	43	70	68	95	93
21	19	46	44	71	69	96	94
22	20	47	45	72	70	97	95
23	21	48	46	73	71	98	96
24	22	49	47	74	72	99	97
25	23	50	48	75	73	100	98