

# M3T-100LCC-QSD

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

## User's Manual

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### CAUTION

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

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( 1 / 4 )

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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.

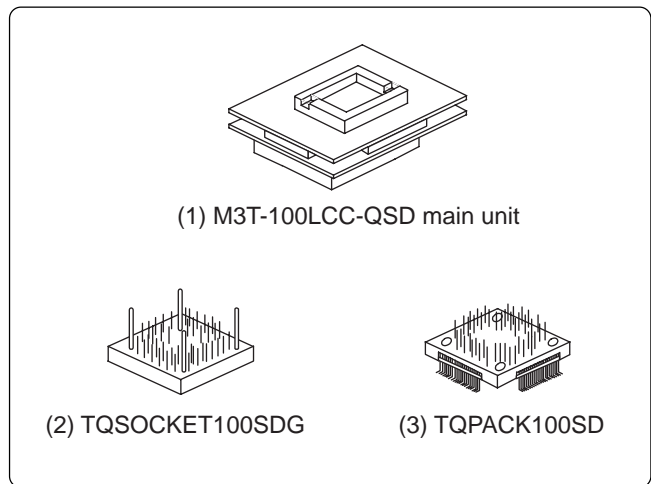


Figure 1 Package component of the M3T-100LCC-QSD

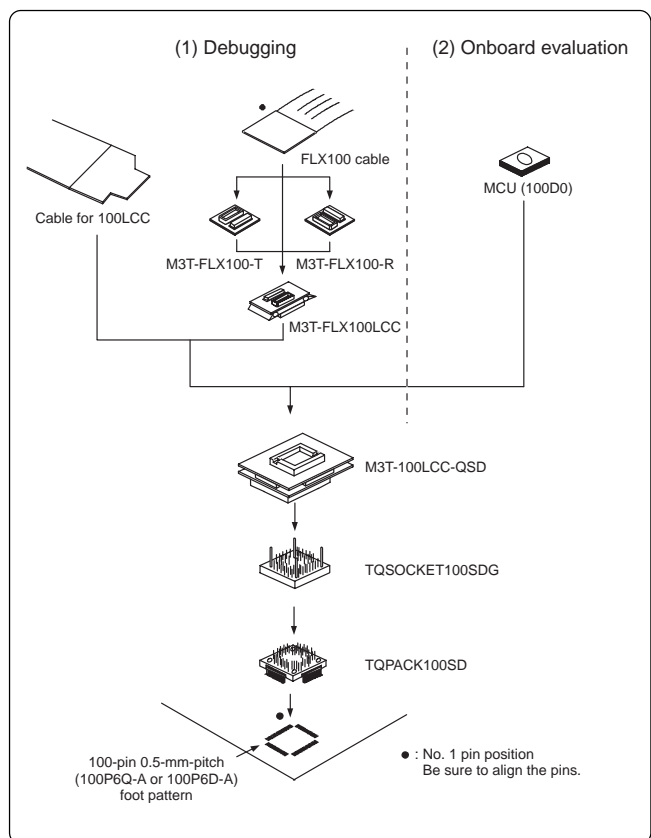


Figure 2 Usage of the M3T-100LCC-QSD

## 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.

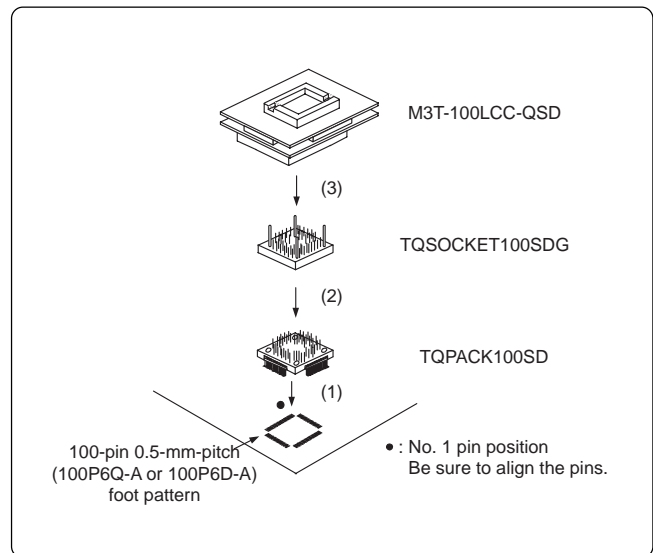


Figure 3 Connecting procedure

## 6. External Dimensions and a Sample Foot Pattern

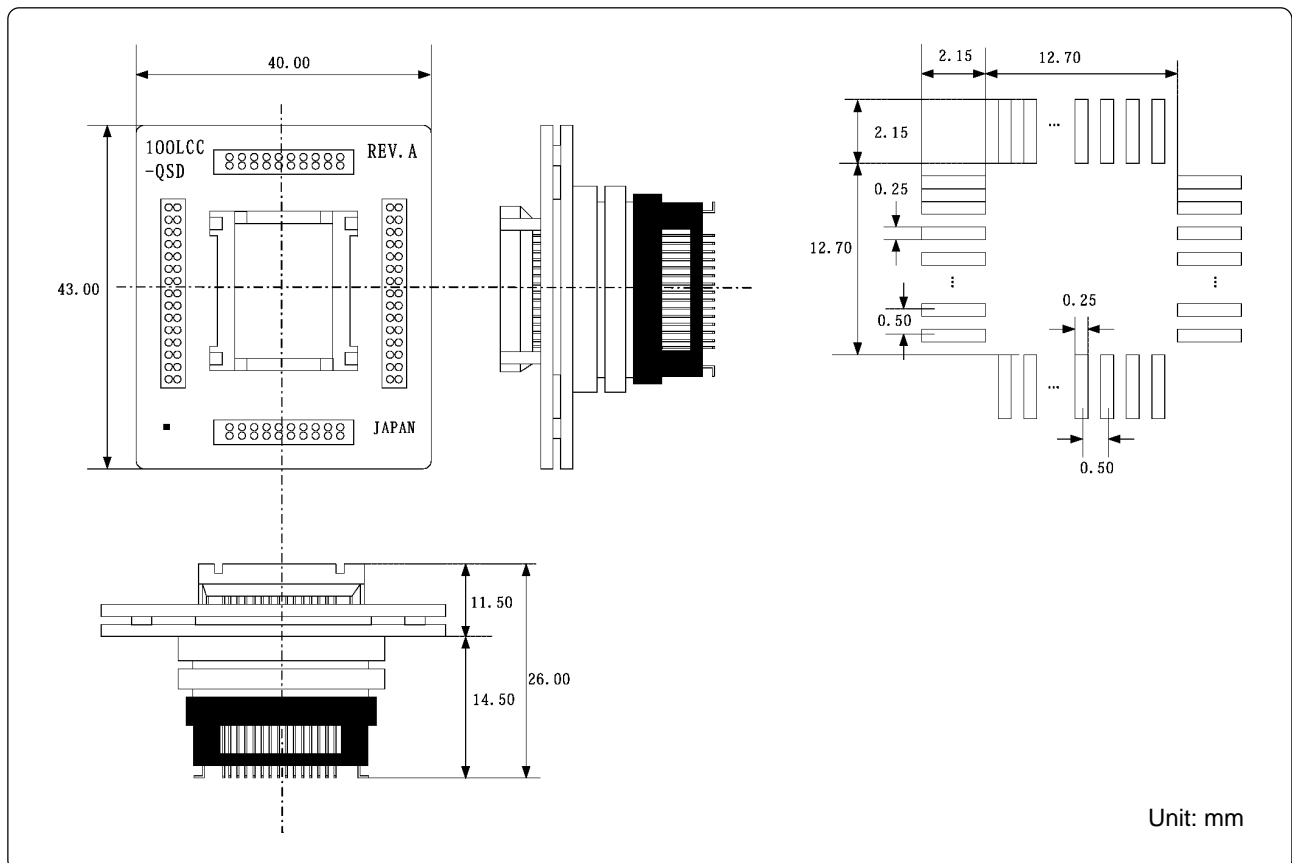


Figure 4 External dimensions of the M3T-100LCC-QSD and its sample foot pattern

## 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](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  
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## 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

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