

M3T-100LCC-80QSB

Converter Board for Connecting 100D0 to 80P6S-A

User's Manual

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1. Outline

The M3T-100LCC-80QSB is a converter board for connecting 100-pin 0.65-mm-pitch LCC (100D0) to 80-pin 0.65-mm-pitch QFP (80P6S-A). This board converts a 100pin LCC package of M16C/60 Series MCUs to a foot pattern for 80-pin QFP.

2. Package Components (See Figure 1)

- M3T-100LCC-80QSB x1
 TQSOCKET80SBG (made by Tokyo Eletech Corporation) x1
 TQPACK80SB (made by Tokyo Eletech Corporation) x1
- (4) M3T-100LCC-80QSB User's Manual (This manual)

3. Specifications

Table 1 Specifications

Applicable package	80P6S-A (80-pin 0.65-mm-pitch QFP)		
Insertion/removal iterations of IC socket	20 times guaranteed		

4. Usage (See Figure 2)

The M3T-100LCC-80QSB can be used for debugging and onboard evaluation in common.

(1) For debugging

Mount the TQPACK80SB on the foot pattern of the target system. And mount the TQSOCKET80SBG and M3T-100LCC-80QSB on it. Then attach the cable of the emulator to the IC socket on the M3T-100LCC-80QSB.

(2) For onboard evaluation

Mount an MCU with EPROM (100D0) on the IC socket on the M3T-100LCC-80QSB.

Before using the M3T-100LCC-80QSB, be sure to read "7. Precautions" on page 4.

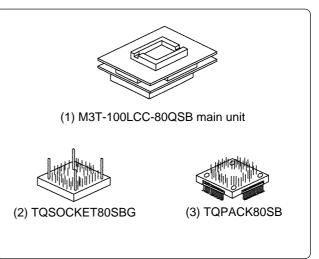


Figure 1 Package components of the M3T-100LCC-80QSB

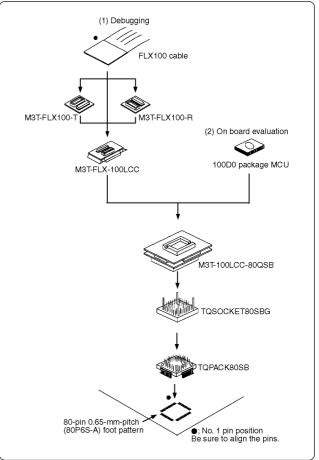


Figure 2 Usage of the M3T-100LCC-80QSB

5. Connection Procedure (See Figure 3)

The procedure for connecting the M3T-100LCC-80QSB is shown below.

- (1) Mount the TQPACK80SB on the target system.
- (2) Attach the TQSOCKET80SBG to the TQPACK80SB.
- (3) Attach the M3T-100LCC-80QSB to the TQSOCKET80SBG.

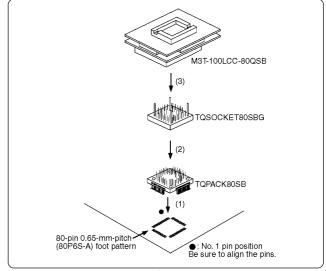
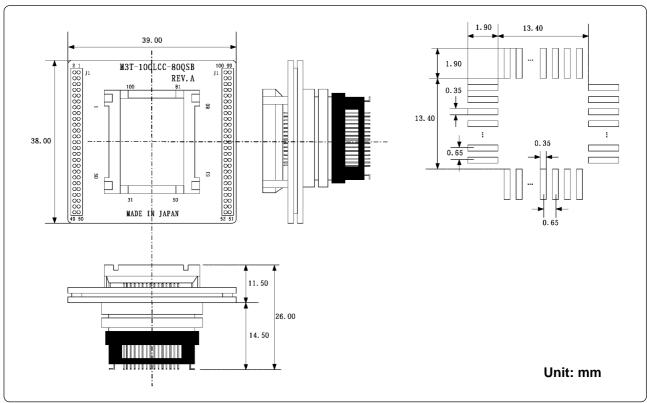


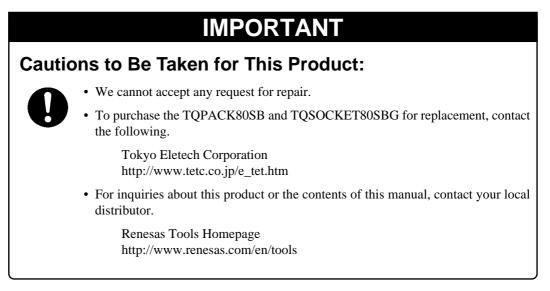
Figure 3 Connecting procedure



6. External Dimensions and a Sample Foot Pattern

Figure 4 External dimensions of the M3T-100LCC-80QSB and its sample foot pattern

7. Precautions



8. Pin Correspondence

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

Table 2 Pin correspondence

(NC: No connection)

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