

Table 6-8. Replacement Parts, Front Cover Assembly

Item Reference Number	Part Number	Description
ITM 3	2512-20034-101	Gasket, Kybd-Display
ITM 4	1411-60278-406	Inlay, Nameplate_DPH, No Pin
ITM 5	1411-60701-204	Cover, Front, MH, Blk, Modified
ITM 5	1411-60704-506	Front cover,Plastic,Black
ITM 7	1411-40001-800	Bushing, Mic, Molded, EP
ITM 8	1411-40006-100	Spkr, Clip, Molded, EP
ITM 9	2807-30298-011	Scr, SIMMS, 2-56, 3/16, P, PH, ST, CAD/ZN
ITM 9	2816-30434-006	Scr,Plas,#2-28,X3/16,P,PH,ST,BLKOX,
ITM 12	2843-00000-002	Washer, #2, Split-Lock, Cad-Steel.(Metal Case)
ITM 13	2813-20027-702	Standoff, LPU/MPU
ITM 14	2801-00437-006	Scr, MS, 2-56, X7/16, P, PH, ST, CAD
ITM 14	2816-30434-013	Screw,Plastite,2-28x.375,Blk.ox.or zinc
ITM 15	2816-30434-007	Scr, Plas, 2-28, X9/32, P, PH, ST, BLKOX
ITM 16	2856-20035-100	Nut,Flat,M2.5 (Plastic Case Only)
ITM 17	1411-50702-304	Door, Keyboard, Black
ITM 20	6026-30315-801	Wire, Strnd, 26GA, 250V, BLK-Teflon
ITM 21	6026-30315-807	Wire, 26GA, StrTef, Blue
ITM 22	3102-00000-004	Tubing, Htshrk, WHT, Fit105, 1/8
ITM 24	1406-20033-800	Grill, Cloth-Speaker
LS1	1301-20034-702	Spkr, 8 Ohm, 1 W, Mylar, 45mm
MK1	1310-30956-000	Mic Cart,elec,omni-dir,w/cap,EMG647WG-16
ASY 1		Option Board Assembly
ASY 2		Display Board Assembly

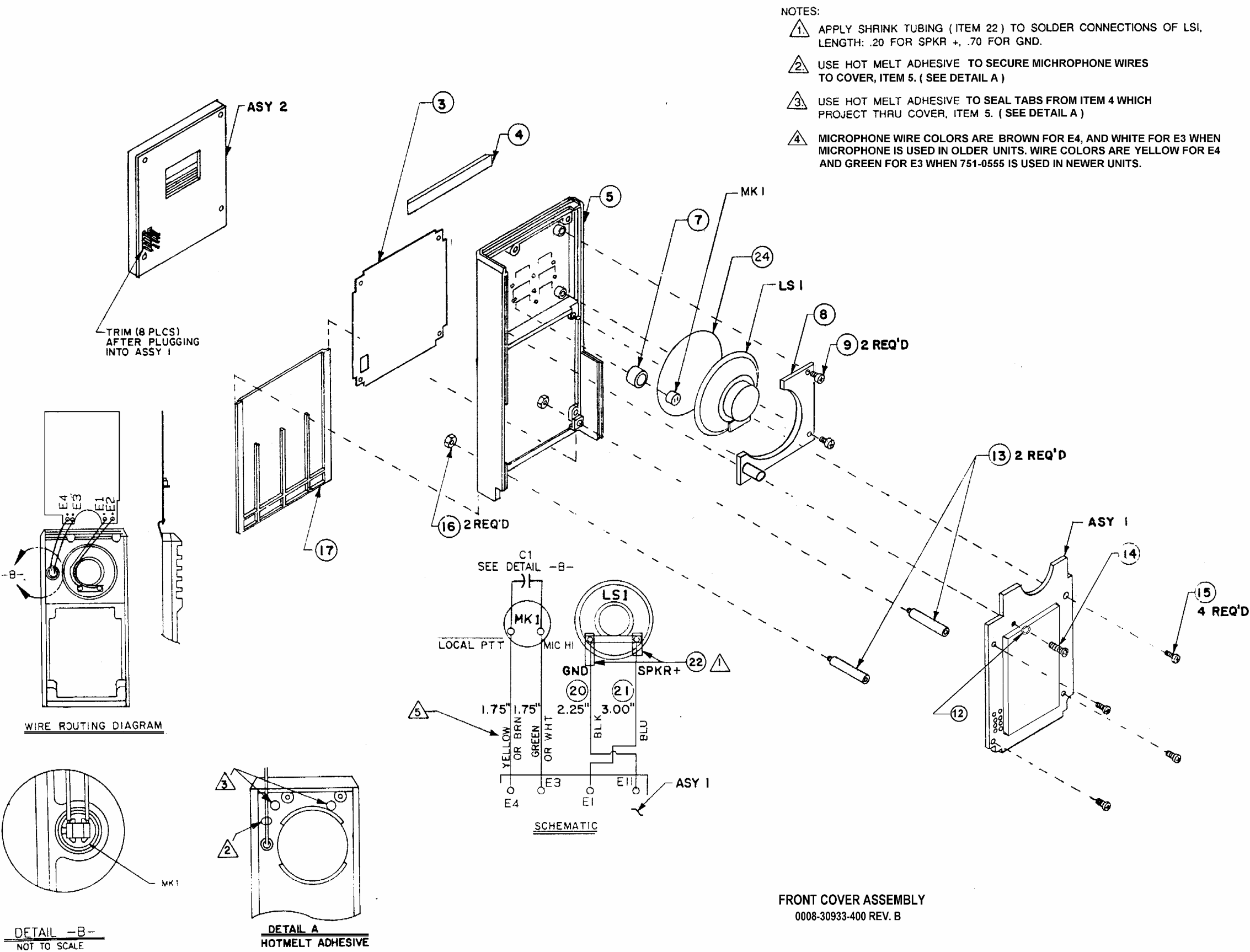
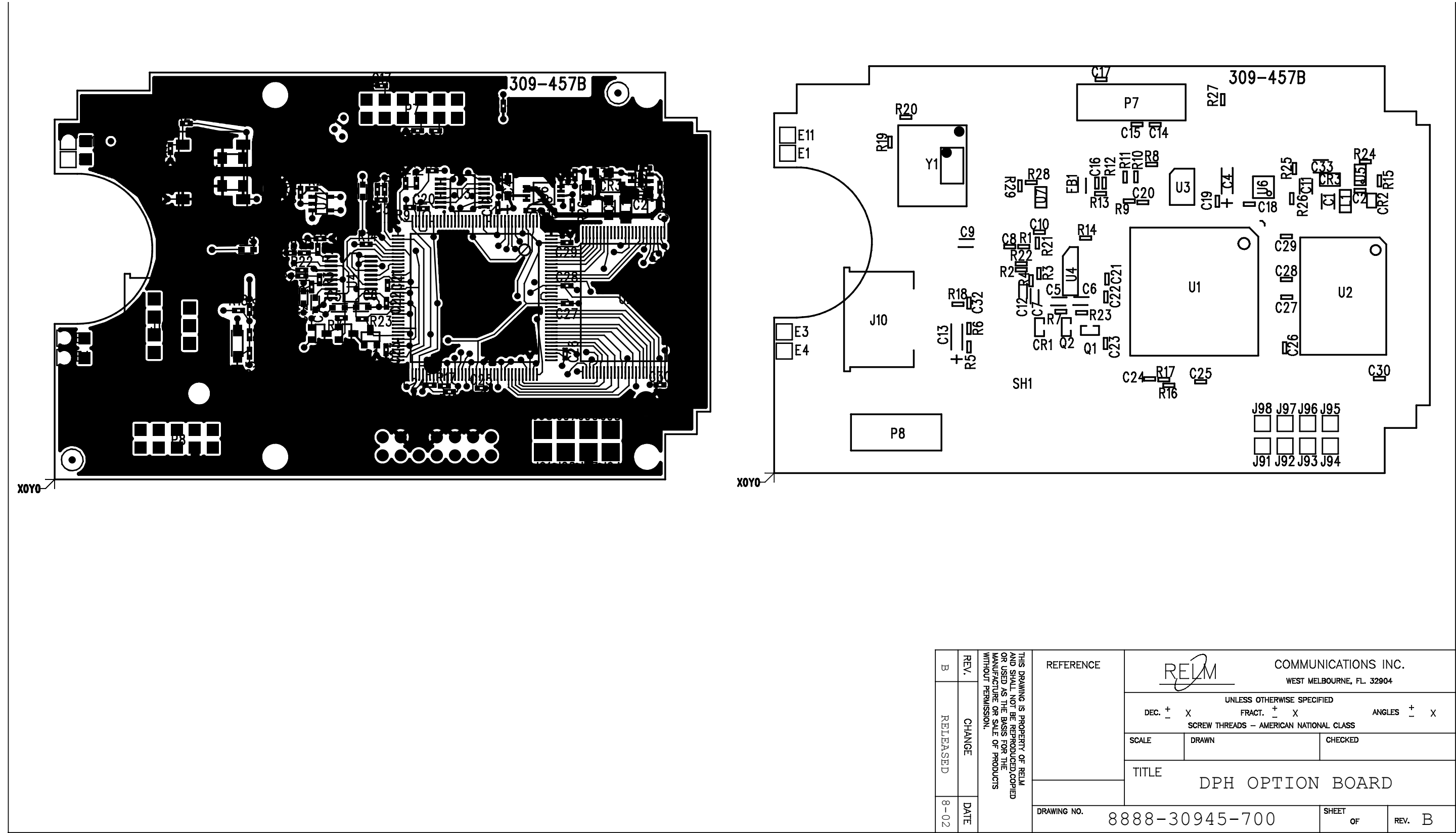


Table 6-9 Replacement Parts, Options Board

Item Reference Number	Part Number	Description
ITM1	1700-30945-700	PCB, DPH OPTION BOARD
ITM2	2512-20035-900	Spacer, Resilient
ITM3	2508-30945-600	SHIELD, OPTION BOARD, DPH
C1	1570-05106-788	Cap, Cp, 10uF, X5R, +/-20%, 6.3V, 0805
C2	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402
C4	1552-60463-162	Cap, Tant, 10uF, +/-20%, 6.3V, 2012
C5	1570-00104-261	Cap, Cp, 0.1uF, 5%, X7R, 16V, 0603
C6	1570-00104-261	Cap, Cp, 0.1uF, 5%, X7R, 16V, 0603
C7	1570-00104-261	Cap, Cp, 0.1uF, 5%, X7R, 16V, 0603
C8	1570-03101-263	Cp, Cap, 100PF, X7R, 5%, 0402
C9	1570-00104-261	Cap, Cp, 0.1uF, 5%, X7R, 16V, 0603
C10	1570-03101-263	Cp, Cap, 100PF, X7R, 5%, 0402
C11	1570-05105-781	Cap, Cp, 1uF, X5R, +/-20%, 16V, 0805
C12	1570-00104-261	Cap, Cp, 0.1uF, 5%, X7R, 16V, 0603
C13	1552-60463-158	Cap., Tant, 1uF, 10%, 20V
C15	1570-03101-263	Cp, Cap, 100PF, X7R, 5%, 0402
C16	1570-03101-263	Cp, Cap, 100PF, X7R, 5%, 0402
C17	1570-03101-263	Cp, Cap, 100PF, X7R, 5%, 0402
C18	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402
C19	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402
C20	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402
C21	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402
C22	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402
C23	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402
C24	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402
C25	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402
C26	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402
C27	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402
C28	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402
C29	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402
C30	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402
C32	1570-03102-271	Cap, CP, 1000pf, 10%, X7R, 10V, 0402
C33	1570-05105-781	Cap, Cp, 1uF, X5R, +/-20%, 16V, 0805
CR1	4824-20009-500	Di, Sil, Switching-Dual, MMB2835, SOT-23,
CR2	4824-30541-202	Di, Switching, 1SS355
CR3	4824-30599-702	DI, SCHOTTKY, MBR0520LT1, SOD-123
J10	2105-40012-107	Conn, Flex_Circuit, 7_Pos
J91	2108-20002-501	Socket, Mini, Spring
J92	2108-20002-501	Socket, Mini, Spring
J93	2108-20002-501	Socket, Mini, Spring
J94	2108-20002-501	Socket, Mini, Spring
J95	2108-20002-501	Socket, Mini, Spring
J96	2108-20002-501	Socket, Mini, Spring
J97	2108-20002-501	Socket, Mini, Spring
J98	2108-20002-501	Socket, Mini, Spring
P7	2105-20035-706	CONN_.025SQUARE, 6PIN
P8	2105-20035-705	Conn. Square, 5_Pin, .025Sq

Item Reference Number	Part Number	Description
FB1	2503-02102-410	Bead,Ferrite,1K_Ohm,100MHz,0.1A,0603
L1	1812-10014-251	IND,Fxd,Pwr,10 uH,10%,LQH31CN100K01
Q1	4823-30680-002	Xstr,NPN,W/Bias,47K/47K,SOT-23
Q2	4823-30680-010	Xstr,PNP,W/Bias,10K/10K,SOT-23,
R1	4734-01001-311	Res,CP,1.00K,1%,1/16W,0402
R2	4734-01002-311	Res,CP,10K,1%,1/16W,0402
R3	4734-02802-311	Res,CP,28K,1%,1/16W,0402
R4	4734-02212-311	Res,CP,22.1K,1%,1/16W,0402
R5	4734-03011-311	Res,CP,3.01K,1%,1/16W,0402
R6	4734-02001-311	Res,CP,2K,1%,1/16W,0402
R7	4734-01002-311	Res,CP,10K,1%,1/16W,0402
R8	4734-03092-311	Res,Cp,30.9K,1%,1/16W,0402
R9	4734-07872-311	Res,CP,78.7K,1%,1/16W,0402
R10	4734-01502-311	Res,CP,15K,1%,1/16W,0402,
R11	4734-02942-311	Res,CP,29.4K,1%,1/16W,0402
R12	4734-01502-311	Res,CP,15K,1%,1/16W,0402,
R13	4734-02942-311	Res,CP,29.4K,1%,1/16W,0402
R14	4734-01002-311	Res,CP,10K,1%,1/16W,0402
R15	4734-01652-311	Res,CP,16.5K,1%,1/16W,0402,
R16	4734-04751-311	Res,CP,4.75K,1%,1/16W,0402
R17	4734-04751-311	Res,CP,4.75K,1%,1/16W,0402
R18	4734-02000-311	Res,Cp,200_Ohms,1%,1/16W,0402
R19	4734-01822-311	Res,CP,18.2K,1%,1/16W,0402
R20	4734-02212-311	Res,CP,22.1K,1%,1/16W,0402
R21	4734-01001-311	Res,CP,1.00K,1%,1/16W,0402
R22	4734-04322-311	Res,CP,43.2K,1%,1/16W,0402
R23	4734-01002-311	Res,CP,10K,1%,1/16W,0402
R24	4734-01002-311	Res,CP,10K,1%,1/16W,0402
R25	4734-00100-311	Res,CP,10 OHMS,1%,1/16W,0402,
R26	4734-01003-311	Res,CP,100K,1%,1/16W,0402
R27	4734-00100-311	Res,CP,10 OHMS,1%,1/16W,0402,
R28	4734-01003-311	Res,CP,100K,1%,1/16W,0402
R29	4734-01003-311	Res,CP,100K,1%,1/16W,0402
U1	3134-30949-700	IC, DSP, TMS320VC5409, PGE-80
U2	3134-30949-800	IC, 4MB Flash Mem, 3V, AM29LV400BT-120EI
U3	3134-30949-900	IC,Quad 2-Input,Pos-NAND,SN74ALVC00PWR
U4	3134-30950-000	IC, 16 Bit A/D & 16 Bit D/A, AD73311LARU
U5	3134-30950-400	IC,Sw,Reg,3.3V,LT1616ES6,SOT-23
U6	3134-30950-300	IC,Reg,1.8V,LDO,TPS77118DGK,MSOP
U7	3134-30670-431	IC,Sngl.,Inv.,Gate,SN74LVC1G04,SOT23
Y1	2390-30957-100	TCXO, 19.6608 MHz, SMD



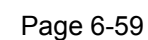
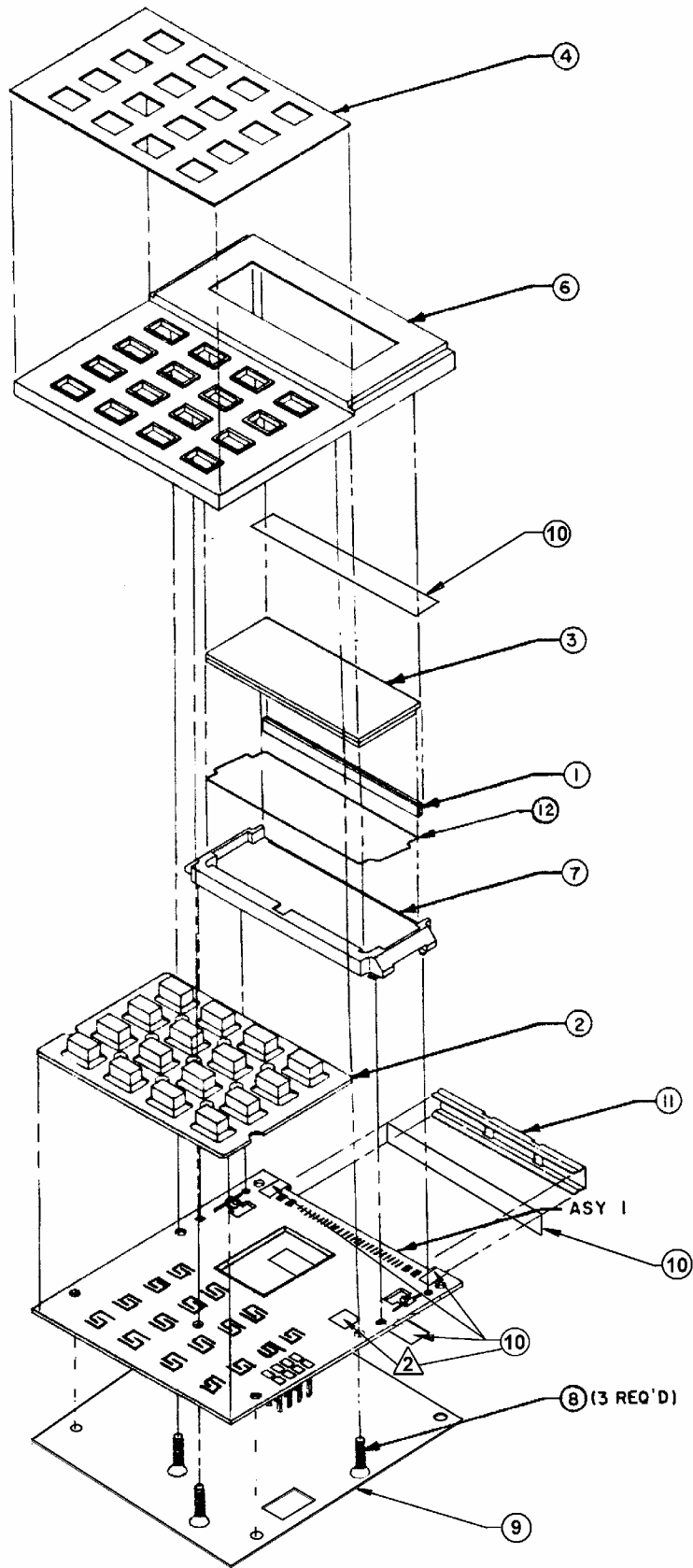


Table 6-10 Replacement Parts, Keyboard/Display Assembly

Item Reference Number	Part Number	Description	Qty
Item 1	2105-20002-704	Conn,Zebra,Hunter,YL_.07_Pitch	1
Item 2	2001-50542-501	KYBD,SIL-Modify	1
Item 3	2003-20053-100	LCD,EPH,HI-Contrast	1
Item 4	2509-40012-202	Inlay,Keybd,Blk,GPH	1
Item 6	1411-20026-301	Insert Assembly,Black	1
Item 7	1411-50701-901	Light,Pipe_Display,Molded,EP,	1
Item 8	2816-30434-012	Scr,PLASTITE,2-28x.156,FPH	3
Item 9	2512-20034-101	Gasket,Kybd-Display,EPI312SC	1
Item 10	1601-20036-204	Tape,Elec,1/4WD,	.145 FT
Item 11	2830-20030-001	Clip,LCD,	1
Item 12	3904-20046-400	Diffuser,Mylar	1



NOTES:

1. SLIDE ITEM 11 (CLIP) FIRST OVER ITEM 3 (LCD) THEN ROCK INTO PLACE TO PREVENT CHIPPING THE LCD GLASS.

3 REF. 1 REF. 11 REF.
7 REF. 10 REF.

ASY. 1 (REF.)

THEN, PUSH CLIP OVER UNTIL IT SLIDES INTO POSITION AGAINST THE WHOLE ASSEMBLY.

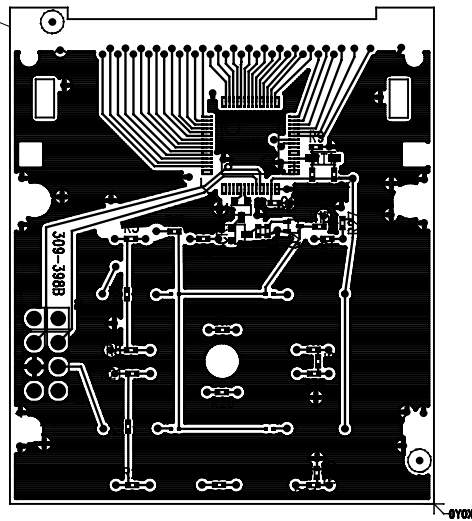
10 REF.

2. FOR NUMERIC BOARD ONLY.

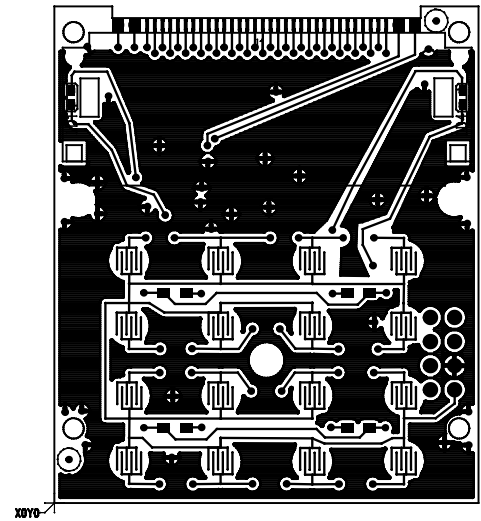
Table 6-11 Replacement Parts, Keyboard/Display Board (309-398 Rev. B)

Item Reference Number	Part Number	Description	Qty
C1	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402	1
C2	1570-03103-261	Cap, Cp, .01uF, 5%, X7R, 16V, 0402	1
CR1	4824-20008-500	Di, Sil, Switching-Dual, MMBD7000, SOT-23	1
LD1	4826-30941-801	Di, LED, SMD, Amber, Side View, LNJ410Q6YRA	1
LD4	4826-30941-801	Di, LED, SMD, Amber, Side View, LNJ410Q6YRA	1
P1	2107-50231-704	Term,Contact,Pin,W/Star	1
P2	2107-50231-704	Term,Contact,Pin,W/Star	1
P3	2107-50231-704	Term,Contact,Pin,W/Star	1
P4	2107-50231-704	Term,Contact,Pin,W/Star	1
P5	2107-50231-704	Term,Contact,Pin,W/Star	1
P6	2107-50231-704	Term,Contact,Pin,W/Star	1
P7	2107-50231-704	Term,Contact,Pin,W/Star	1
P8	2107-50231-704	Term,Contact,Pin,W/Star	1
PC1	1700-30939-800	Bd, PC, Alpha Numeric Keyboard, Flash Compatible	1
Q1	4823-20046-700	Xstr, Pmosfet, Sm Sig, TP0610, SOT23	1
Q2	4823-30939-201	Trans, MOSFET, N-Channel, SC-70, 2SK3018	1
R1	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R2	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R3	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R4	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R5	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R6	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R7	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R8	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R9	4734-02492-311	Res, CP, 24.9K, 1%, 1/16W, 0402	1
R10	4734-07502-311	Res, CP, 75K, 1%, 1/16W, 0402	1
R11	4734-02003-311	Res, CP, 200K, 1%, 1/16W, 0402	1
R12	4734-01004-311	Res, CP, 1M, 1%, 1/16W, 0402	1
R13	4734-02000-311	Res, CP, 200 Ohms, 1%, 1/16W, 0402	1
R16	4734-02000-311	Res, CP, 200 Ohms, 1%, 1/16W, 0402	1
R19	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R20	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R21	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R22	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R24	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R25	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R26	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R27	4734-01002-311	Res, CP, 10K, 1%, 1/16W, 0402	1
R23	4734-01003-311	Res, CP, 100K, 1%, 1/16W, 0402	1
RT1	5302-20025-802	Thermstr, Surface, Mt	1
U1	3134-30940-700	IC, LCD Driver, PCF8576C, Philips, SOT314-2	1
Assembly	LAA0653F	Kit, Display, Alpha/Numeric, GPH Flash	1

PC1



BOTTOM SIDE
VIEWED FROM BOTTOM



TOP SIDE
VIEWED FROM TOP

