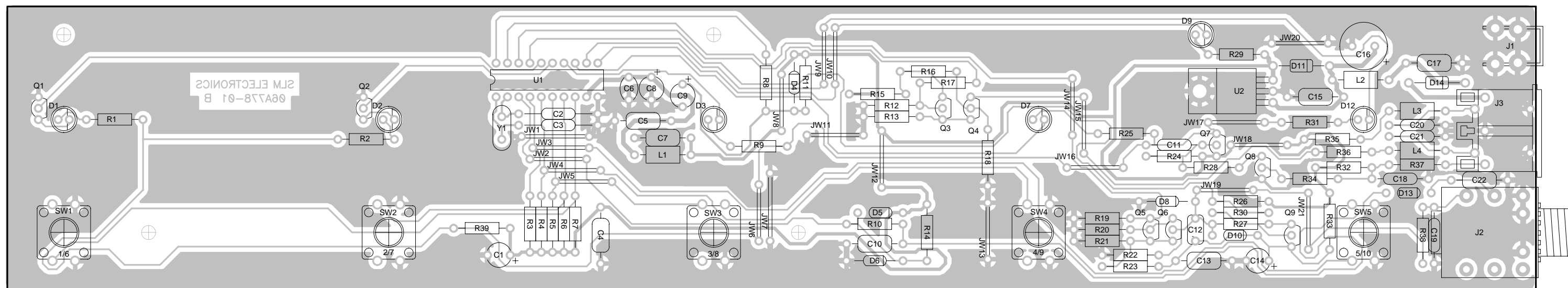


A

B

C

D



FOR ASSEMBLY P/N: 07-778-01

USE SCHEMATIC # 07S778-XX

NOTES:

1. GOOP IN ACCORDANCE WITH PRODUCTION S.O.P.

CAUTION:  
THIS ASSEMBLY DRAWING IS PROVIDED FOR USE BY QUALIFIED PERSONNEL.  
TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.  
DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

REV	Date	DESCRIPTION	Ecr(s)/Ech(s)	Chgd By	Appvd by	Date
C	3/10/00	CHGD HOLE SIZE Q1-9		WFB		
B	3/3/00	ADDED RESISTOR, MOVED J3 INITIAL ISSUE	D000574	WFB		

THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO  
ST. LOUIS MUSIC, INC.

Signatures:		Date:	 11880 Borman Drive, St. Louis, MO 63146
Drawn:	WFB	1/26/00	
Checked:			
Released:			
Plot Date:	Thu Jan 18, 2001	Drawing Size:	B
Plot Time:	08:44:42	Drawing Type:	ASSY DWG
Tolerance:		Class Code:	NONE
		Sheet	1 of 1

Drawing Title: **DIGITAL FOOTSWITCH**  
Drawing Number: **07-778-XX**

A

B

C

D

<b>B</b>	<b>3/6/00</b>	<b>INITIAL ISSUE</b>		<b>WFB</b>																																																		
Rev.	Date	DESC.	ECR(s)/ECN(s)	Chgd by	Appvd by	DATE																																																
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ST. LOUIS MUSIC, INC.																																																						
		<table border="1"> <tr> <td>Signatures:</td> <td>Date:</td> <td colspan="4">SLM Electronics</td> </tr> <tr> <td>Drawn: WFB</td> <td>3/6/00</td> <td colspan="4">11880 Borman Drive, St. Louis, MO 63146</td> </tr> <tr> <td>Checked:</td> <td></td> <td>First Used On:</td> <td colspan="3">DXJFCa</td> </tr> <tr> <td>Released:</td> <td></td> <td></td> <td colspan="3"></td> </tr> <tr> <td>Tolerance:</td> <td>Drawing Size: A</td> <td>Drawing Title:</td> <td colspan="3">DIGITAL FOOTSWITCH</td> </tr> <tr> <td></td> <td>Drawing Type: PL</td> <td></td> <td colspan="3"></td> </tr> <tr> <td></td> <td>Class Code:</td> <td>Drawing No.:</td> <td colspan="3">07-778-PL</td> </tr> <tr> <td></td> <td>Scale: N/A</td> <td></td> <td colspan="3"></td> </tr> </table>					Signatures:	Date:	SLM Electronics				Drawn: WFB	3/6/00	11880 Borman Drive, St. Louis, MO 63146				Checked:		First Used On:	DXJFCa			Released:						Tolerance:	Drawing Size: A	Drawing Title:	DIGITAL FOOTSWITCH				Drawing Type: PL						Class Code:	Drawing No.:	07-778-PL				Scale: N/A				
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	Class Code:	Drawing No.:	07-778-PL																																																			
	Scale: N/A																																																					

ASSEMBLY PART #

07-778-01

REVISION B

ITEM	QTY	REFDES	P/N	DESC	VALUE
1	1	PWB1	06A778-01	FOOTSWITCH PWB	PWB
2	2	C20	10A101-21	100 pF 200V 10per NPO	100 pF
		C21			
3	1	C18	10A102-11	.001 uF 100V 10per X7R	0.001
4	8	C10	10A104-01	.1 uF 50V 10per X7R	0.1
		C17			
		C22			
		C4			
		C5			
		C7			
		C13			
		C15			
5	2	C11	10A221-11	220 pF 100V 10per NPO	220 pF
		C19			
6	2	C2	10A560-21	56 pF 200V 5per NPO	56 pF
		C3			
7	1	C6	10R102-02	.001 1KV Z5F DISC 10per	0.001
8	1	C12	10R472-01	.0047 uF 100V 10per RAD POLY	0.0047
9	4	C1	12R106-35	10 uF 35V 20per EL	10
		C8			
		C9			
		C14			
10	1	C16	12R477-35	470 uF 35V 20per EL	470
11	5	D1	21-538-01	RED LED W/.600 SPACER	RED
		D2			
		D3			
		D7			
		D12			
12	1	D9	21-539-01	GRN LED W/.600 SPACER	GRN
13	2	D11	21A402-01	100V PIV 1A .5W	1N4002TR
		D14			
14	6	D4	21A914-01	75V PIV 10mA/1V .5W	1N914
		D6			
		D8			
		D5			
		D13			
		D10			
15	1	U1	37-685-50	MC68HC705J1A DIP 20 MICROCONTROLLER	MC68HC705J1A
16	1	U2	37-705-01	UA7805CKC +5V 1A VOLTAGE REGULATOR	7805
17	1	Y1	37-900-04	4 MHZ QUARTZ CRYSTAL	4 MHZ
18	1	J2	39-117-51	T/R/S JACK W/GND WASHER	T/R/S
19	1	J3	39-900-01	5 PIN DIN MIDI JACK PC MNT	MIDI JACK
20	1	J1	51-149-01	PC MOUNT GROUND BRACK	{Value}
21	21	JW2	76-000-05	22 GA TINNED COPPER	0
		JW3			
		JW4			
		JW5			
		JW6			
		JW8			

ASSEMBLY PART #

07-778-01

REVISION B

ITEM	QTY	REFDES	P/N	DESC	VALUE
		JW9			
		JW10			
		JW11			
		JW12			
		JW13			
		JW14			
		JW15			
		JW16			
		JW17			
		JW18			
		JW19			
		JW20			
		JW21			
		JW7			
		JW1			
22	1	R13	76-100-01	10 OHM .25W 5per RESISTOR	10
23	2	R33	76-101-01	100 OHM .25W 5per RESISTOR	100
		R27			
24	3	R10	76-102-01	1K OHM .25W 5per RESISTOR	1K
		R38			
		R21			
25	3	R28	76-103-01	10K OHM .25W 5per RESISTOR	10K
		R30			
		R26			
26	8	R3	76-104-01	100K OHM .25W 5per RESISTOR	100K
		R4			
		R5			
		R6			
		R7			
		R14			
		R32			
		R11			
27	1	R23	76-151-01	150 OHM .25W 5per RESISTOR	150
28	2	R36	76-221-01	220 OHM .25W 5per RESISTOR	220
		R35			
29	1	R39	76-222-01	2.2K OHM .25W 5per RESISTOR	2.2K
30	1	R22	76-224-01	220K OHM .25W 5per RESISTOR	220K
31	6	R1	76-331-01	330 OHM .25W 5per RESISTOR	330
		R2			
		R9			
		R25			
		R29			
		R31			
32	1	R37	76-471-01	470 OHM .25W 5per RESISTOR	470
33	7	R17	76-472-01	4.7K OHM .25W 5per RESISTOR	4.7K
		R24			
		R34			
		R15			
		R18			
		R19			

ASSEMBLY PART #

07-778-01

REVISION B

ITEM	QTY	REFDES	P/N	DESC	VALUE
		R20			
34	3	R8	76-682-01	6.8K OHM .25W 5per RESISTOR	6.8K
		R16			
		R12			
35	5	SW1	88-010-02	SPST PC MT TL1100 SERIES 12V/50mA	SPST
		SW2			
		SW3			
		SW4			
		SW5			
36	4	L1	94A001-01	FERRITE BEAD TAPE&REEL	FERRITE
		L2			
		L3			
		L4			
37	2	Q3	96R006-01	MPSA06 NPN 80V 1.5W .5A	MPS-A06
		Q4			
38	6	Q1	96R587-01	2N5087 PNP -50V 1.5W -50mA	2N5087
		Q2			
		Q5			
		Q6			
		Q7			
		Q9			
39	1	Q8	96R588-01	2N5088 NPN 30V 1.5W 50mA	2N5088