

SK6		SK5		SK4		SK3		SK2		SK1	
OEM		T1711		LEFT	TX/EX	RIGHT	TX/EX	LEFT	RX	RIGHT	RX
PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION
1	RX LINE 1	1	RX LINE 1	1	CHANNEL SELECT 1	1	TX/EX LINE 1	1	CHANNEL SELECT 1	1	RX LINE 1
2	RX LINE 4	2	RX LINE 4	2	CHANNEL SELECT 2	2		2	CHANNEL SELECT 2	2	
3	RX FFSK OUT	3	RX FFSK OUT	3	CHANNEL SELECT 3	3		3	CHANNEL SELECT 3	3	
4	RX GATE	4	RX GATE	4	CHANNEL SELECT 4	4	TX/EX LINE 4	4	CHANNEL SELECT 4	4	RX LINE 4
5	TX KEY	5	TX KEY	5	CHANNEL SELECT 5	5	TX ENABLE	5	CHANNEL SELECT 5	5	RSSI (SIG STRENGTH)
6	TX FFSK IN	6	TX FFSK IN	6	CHANNEL SELECT 6	6	LINE 2	6	CHANNEL SELECT 6	6	RX AUDIO 1 or RX FFSK OUT
7	TX/EX LINE 1	7	TX/EX LINE 1	7	CHANNEL SELECT 7	7	LINE 1 or SERIAL COMM TX	7	CHANNEL SELECT 7	7	RX AUDIO 2 or SERIAL COMM RX
8	TX/EX LINE 4	8	TX/EX LINE 4	8	0V	8	TX FFSK IN	8	0V	8	SPEAKER
9	13.8V (FUSED)	9	13.8V (FUSED)	9	N/C	9	13.8V	9	N/C	9	13.8V
10	CROSS BUSY IN 2	10	CROSS BUSY IN 1	10	N/C	10	13.8V	10	N/C	10	13.8V
11	SERIAL COMM	11	SERIAL COMM	11	CHANNEL SELECT 8	11	N/C	11	CHANNEL SELECT 8	11	RX GATE
12	FWD PWR ALARM	12	FWD PWR ALARM	12	SERIAL COMM SECONDARY	12	N/C	12	SERIAL COMM SECONDARY	12	N/C
13	REV PWR ALARM	13	REV PWR ALARM	13	TX FWD PWR ALARM	13	TX KEY	13	N/C	13	N/C
14	CROSS BUSY OUT 1	14	CROSS BUSY OUT 2	14	TX REV PWR ALARM	14	0V	14	N/C	14	0V
15	0V	15	0V	15	TX ENABLE IN	15	0V	15	N/C	15	0V

SW1		SW2		PL4		LN1		SK7, SK9		SK8, SK10	
CHANNEL SELECT		OPTION SELECT		POWER CONNECTOR				LINKING CONNECTIONS		LINKING CONNECTIONS	
PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION
1	0V	1	0V	1	0V	1	CROSS BUSY OUT 1	1	CHANNEL SELECT 1	1	13.8V
2	0V	2	0V	2	SERIAL COMM	2	CROSS BUSY IN 1	2	CHANNEL SELECT 2	2	13.8V
3	0V	3	LINE 2	3	SPEAKER	3	TX KEY	3	CHANNEL SELECT 3	3	RX LINE 4
4	0V	4	SERIAL COMM PRIMARY	4	0V	LN2		4	CHANNEL SELECT 4	4	RX FFSK OUT
5	0V	5	SERIAL COMM PRIMARY	5	13.8V			5	CHANNEL SELECT 5	5	SERIAL COMM RX
6	0V	6	N/C	PL3 OEM POWER		1	CROSS BUSY OUT 2	6	CHANNEL SELECT 6	6	RX SPEAKER
7	0V	7	0V			2	CROSS BUSY IN 2	7	CHANNEL SELECT 7	7	RX GATE
8	0V	8	N/C	1	13.8V	3	TX KEY	8	CHANNEL SELECT 8	8	N/C
9	CHANNEL SELECT 8	9	N/C	2	N/C	LN3		9	SERIAL COMM SECONDARY	9	0V
10	CHANNEL SELECT 7	10	TX KEY	3	N/C			10	RX LINE 1	10	0V
11	CHANNEL SELECT 6	11	N/C	4	0V	1	SERIAL COMM SECONDARY				
12	CHANNEL SELECT 5	12	RX AUDIO 2 or SERIAL COMM RX	PL2 OEM POWER		2	SERIAL COMM				
13	CHANNEL SELECT 4	13	LINE 1 or SERIAL COMM TX			3	SERIAL COMM PRIMARY				
14	CHANNEL SELECT 3	14	LINE 1 or SERIAL COMM TX	1	13.8V						
15	CHANNEL SELECT 2	15	REV PWR ALARM	2	N/C						
16	CHANNEL SELECT 1	16	FWD PWR ALARM	3	N/C						
				4	0V						

LN 1 :- FITTED : 1-2, for CROSS BUSY SIGNAL FEED DIRECT FROM SK6 AND SK7
: 2-3, for CROSS BUSY SIGNAL 1 IN SIGNAL WILL KEY TRANSMITTER

LN 2 :- FITTED : 1-2, for CROSS BUSY SIGNAL FEED DIRECT FROM SK6 AND SK7
: 2-3, for CROSS BUSY SIGNAL 2 IN SIGNAL WILL KEY TRANSMITTER

LN 3 :- FITTED : 1-2, for PROGRAMMING THROUGH SECONDARY (LEFT HAND) 'D' RANGE
: 2-3, for PROGRAMMING THROUGH PRIMARY (RIGHT HAND) 'D' RANGE



1	Original	AMM	CQ	2/2/99	FILE: c:\ab\800-56-700x.vsd
ISSUE	AMENDMENT	DRAWN	CHECKED	DATE	

TITLE:	PIN FUNCTIONS of T800-56-700X BACKPLANE (220-01625-00)
DRAWING:	X800-56-PCB1 BACKPLANE

SK7 T1711		SK6 T1711		SK5 PA		SK4 LEFT TX/EX		SK3 RIGHT TX/EX		SK2 LEFT RX		SK1 RIGHT RX	
PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION
1	RX LINE 1	1	RX LINE 1	1	13.8V	1	CHANNEL SELECT 1	1	TX/EX LINE 1	1	CHANNEL SELECT 1	1	RX LINE 1
2	RX LINE 4	2	RX LINE 4	2	13.8V	2	CHANNEL SELECT 2	2		2	CHANNEL SELECT 2	2	
3	RX FFSK OUT	3	RX FFSK OUT	3	FWD PWR ALARM	3	CHANNEL SELECT 3	3		3	CHANNEL SELECT 3	3	
4	RX GATE	4	RX GATE	4	REV PWR ALARM	4	CHANNEL SELECT 4	4	TX/EX LINE 4	4	CHANNEL SELECT 4	4	RX LINE 4
5	TX KEY	5	TX KEY	5	N/C	5	CHANNEL SELECT 5	5	TX ENABLE	5	CHANNEL SELECT 5	5	RSSI (SIG STRENGTH)
6	TX FFSK IN	6	TX FFSK IN	6	N/C	6	CHANNEL SELECT 6	6	LINE 2	6	CHANNEL SELECT 6	6	RX AUDIO 1 or RX FFSK OUT
7	TX/EX LINE 1	7	TX/EX LINE 1	7	0V	7	CHANNEL SELECT 7	7	LINE 1 or SERIAL COMM TX	7	CHANNEL SELECT 7	7	RX AUDIO 2 or SERIAL COMM RX
8	TX/EX LINE 4	8	TX/EX LINE 4	8	0V	8	0V	8	TX FFSK IN	8	0V	8	SPEAKER
9	13.8V (FUSED)	9	13.8V (FUSED)	9	13.8V	9	N/C	9	13.8V	9	N/C	9	13.8V
10	CROSS BUSY IN 2	10	CROSS BUSY IN 1	10	13.8V	10	N/C	10	13.8V	10	N/C	10	13.8V
11	SERIAL COMM	11	SERIAL COMM	11	13.8V	11	CHANNEL SELECT 8	11	N/C	11	CHANNEL SELECT 8	11	RX GATE
12	FWD PWR ALARM	12	FWD PWR ALARM	12	TX ENABLE	12	SERIAL COMM SECONDARY	12	N/C	12	SERIAL COMM SECONDARY	12	N/C
13	REV PWR ALARM	13	REV PWR ALARM	13	0V	13	TX FWD PWR ALARM	13	TX KEY	13	N/C	13	N/C
14	CROSS BUSY OUT 1	14	CROSS BUSY OUT 2	14	0V	14	TX REV PWR ALARM	14	0V	14	N/C	14	0V
15	0V	15	0V	15	0V	15	TX ENABLE IN	15	0V	15	N/C	15	0V

SW1 CHANNEL SELECT		SW2 OPTION SELECT		RJ1 SPKR/PROG		LN1 TX ENABLE		LN5	
PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION	PIN	FUNCTION
1	0V	1	0V	1	N/C	1	TX ENABLE IN	1	SERIAL COMM SECONDARY
2	0V	2	0V	2	N/C	2	TX ENABLE	2	SERIAL COMM
3	0V	3	LINE 2	3	SERIAL COMM	LN2 TX FWD PWR		3	SERIAL COMM PRIMARY
4	0V	4	SERIAL COMM PRIMARY	4	SPEAKER			LN6	
5	0V	5	SERIAL COMM PRIMARY	5	0V	PIN	FUNCTION		
6	0V	6	N/C	6	N/C	1	TX FWD PWR ALARM	1	CROSS BUSY OUT 1
7	0V	7	0V	CN1 FAN		2	FWD PWR ALARM	2	CROSS BUSY IN 1
8	0V	8	N/C			LN3 TX REV PWR		3	TX KEY
9	CHANNEL SELECT 8	9	N/C	PIN	FUNCTION			LN4 FAN SELECT	
10	CHANNEL SELECT 7	10	TX KEY	1	13.8V	1	TX REV PWR ALARM		
11	CHANNEL SELECT 6	11	N/C	2	CN1 DRIVE	2	REV PWR ALARM	PIN	FUNCTION
12	CHANNEL SELECT 5	12	RX AUDIO 2 or SERIAL COMM RX	LN5		LN4 FAN SELECT		1	CROSS BUSY OUT 2
13	CHANNEL SELECT 4	13	LINE 1 or SERIAL COMM TX					2	CROSS BUSY IN 2
14	CHANNEL SELECT 3	14	LINE 1 or SERIAL COMM TX	LN6		LN4 FAN SELECT		3	TX KEY
15	CHANNEL SELECT 2	15	REV PWR ALARM					LN7	
16	CHANNEL SELECT 1	16	FWD PWR ALARM	PIN	FUNCTION	LN4 FAN SELECT			
				1	0V			USUAL FAN CONTROL CIRCUIT	
				2	CN1 DRIVE				
				3	TX KEY				

LN 1 :- FITTED : 1-2, for 25W TX FITTED WITH T1500-52-0000

LN 2 :- FITTED : 1-2, for 25W TX FITTED WITH T1500-52-0000

LN 3 :- FITTED : 1-2, for 25W TX FITTED WITH T1500-52-0000

LN 4 :- FITTED : 1-2, for TX CONTROL OF FAN
: 2-3, for CONTINUOUS FAN OPERATION

LN 5 :- FITTED : 1-2, for PROGRAMMING THROUGH SECONDARY (LEFT HAND) 'D' RANGE
: 2-3, for PROGRAMMING THROUGH PRIMARY (RIGHT HAND) 'D' RANGE

LN 6 :- FITTED : 1-2, for CROSS BUSY SIGNAL FEED DIRECT FROM SK6 AND SK7
: 2-3, for CROSS BUSY SIGNAL 1 IN SIGNAL WILL KEY TRANSMITTER

LN 7 :- FITTED : 1-2, for CROSS BUSY SIGNAL FEED DIRECT FROM SK6 AND SK7
: 2-3, for CROSS BUSY SIGNAL 2 IN SIGNAL WILL KEY TRANSMITTER



1	Original	AMM	ABB	28/10/99
ISSUE	AMENDMENT	DRAWN	CHECKED	DATE

FILE:	c:\ablx800-56-pcb.vsd
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TITLE:	PIN FUNCTIONS of D800-56-0000 BACKPLANE (220-01615-00)
DRAWING:	X800-56-PCB BACKPLANE