Selectone

ST-020B/025B APPLICATION NOTE #0375

FOR USE WITH : MOTOROLA RADIUS MOBILES APPROVAL DATE: 18SEP98S BY: RTS

CONNECTION

	ENCRYPTION UNIT		RADIO	
(3)	(+) SUPPLY INPUT	RED	J6-1	9.6V
(9)	(-) SUPPLY INPUT	BLACK	J6-11	GND
(11)	RX AUDIO INPUT	BLUE	JUNCTION OF U552 AND C561	
(1)	RX AUDIO OUTPUT	WHT/BLU	JUNCTION OF R562 AND C561	
(12)	TX AUDIO INPUT	GREEN	Q651 COLLECTOR	
(13)	TX AUDIO OUTPUT	WHT/GRN	JUNCTION OF C652 AND R655	
(6)	$\overline{\text{PTT}}$ INPUT	YELLOW	J6-4	T/R SHIFT
(7)	CLEAR/$\overline{\text{CYPHER}}$	BROWN	S1103 FPC	
(4)	BEEP	WHT/ORG	U553 PIN 2	
(8)	PA ENABLE	BLK/BRN	Q509 COLLECTOR	
(2)	CODE SELECT #1	VIOLET	USER SELECT TO GROUND	
(5)	CODE SELECT #2	BLK/ORG	USER SELECT TO GROUND	
(10)	CODE SELECT #3	BLK/YEL	USER SELECT TO GROUND	

NOTES:

FOR THE RADIO: REMOVE C561 AND C652.

FOR ST-20B & ST-25B:

Install JU1 on the ST-20B ONLY.
ADD A 11k RESISTOR IN SERIES WITH THE WHT/ORG LEAD.
ADD A .0068µF CAP (REMOVED C652) IN SERIES WITH WHT/GRN WIRE.
ADD A .22µF CAP (REMOVED C561) IN SERIES WITH WHT/BLUE
IF THERE IS NOISE ON TX CHANGE C22 ON ST-020B/25B TO A 10 µF CAPICTOR.

Program: ST-025b for LED operation for off and TX alert tone for on.

Note: THIS APPLICATION OPERATES IN DOUBLE CLICK MODE USING THE AUDIO MUTE BUTTON.

Note: This application also applies to the model GM300.

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