



MOTOROLA INC.

Communications
Group

DC METER

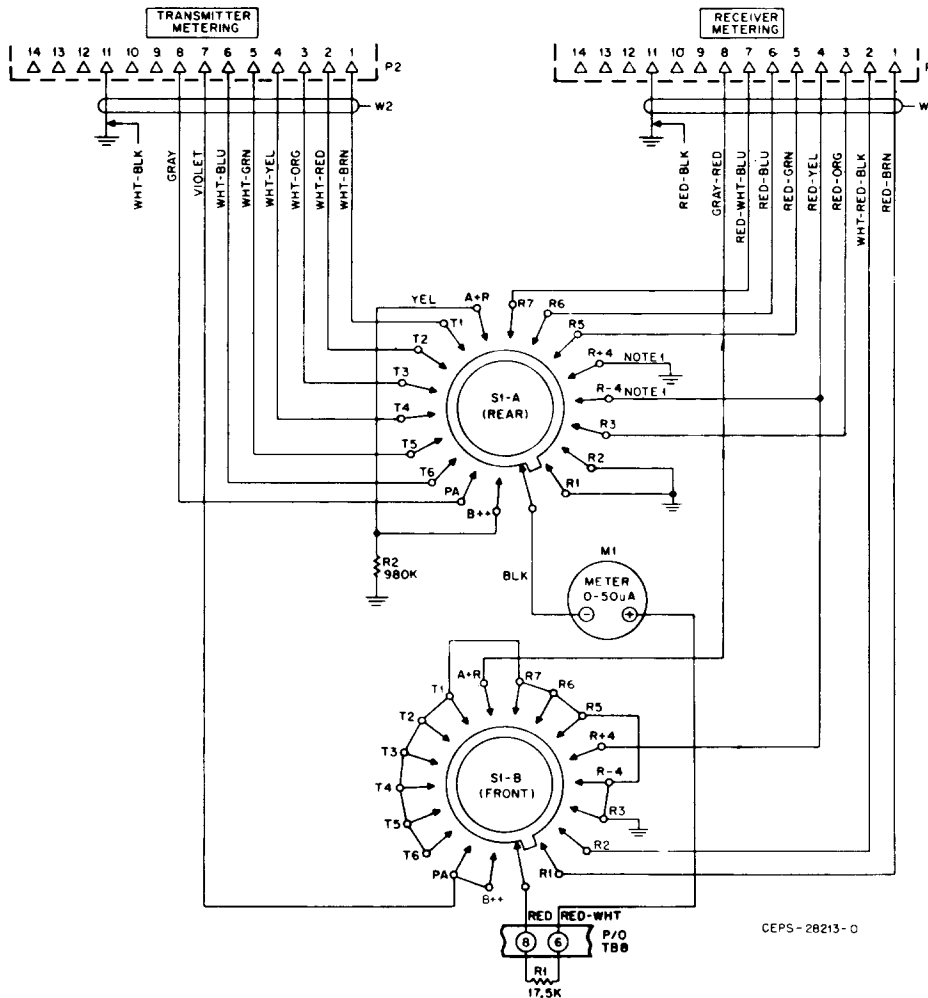
MODEL HLN4138A

Note: This document was extracted from the Mitrek "Super Console" manual.

DESCRIPTION

The meter and switch permit measurement and selection of various test points in the receiver and transmitter circuits. The specific circuits to be measured

are connected to the either via receptacles on the receiver and transmitter chassis. The meter is mounted in the front panel space reserved for a meter so that either the dc meter or the vu meter may be used, but not both.



NOTES

1. WHEN USING THIS KIT IN THE STANDARD OPERATION OF THE BASE STATION, METER R-4 OR R-4 CANNOT BE READ.
2. WHEN SERVICING THE BASE STATION, METER R-4 OR R-4 CAN BE ENABLED, ONLY TO SET THE FREQUENCY, BY JUMPING THE TWO METER 4 PINS TOGETHER IN THE RADIO SET. THE FRONT PANEL SWITCH (S1) CAN BE USED TO SELECT EITHER POSITION AS FOLLOWS:
3. AFTER SERVICING, JUMPER MUST BE REMOVED FROM THE TWO METER 4 PINS.

R3 BLANK
R4 ON
R5 PANEL

CEPS - 28213 - 0

DC METER

technical writing services

parts list

HLN4138A DC Metering Kit

PL-6663-O

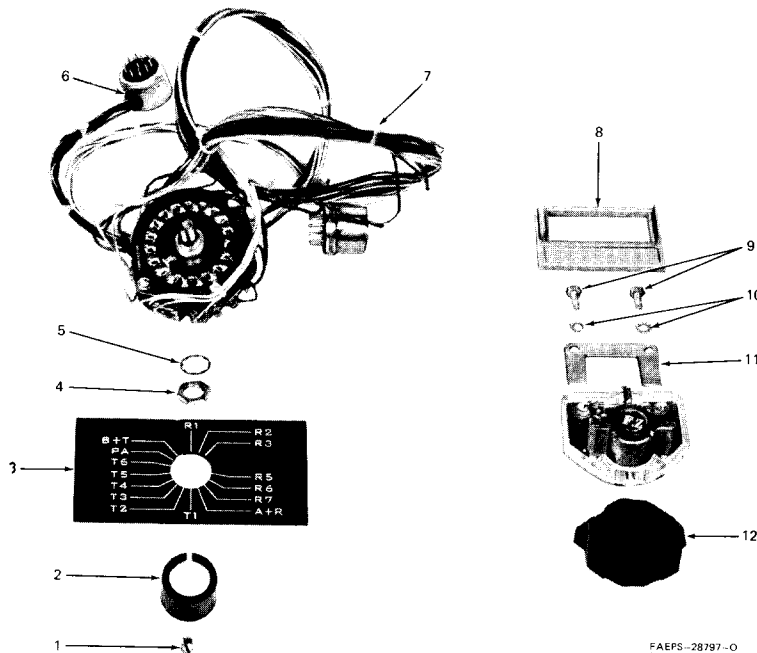
REFERENCE SYMBOL/CODE	MOTOROLA PART NO.	DESCRIPTION
M1	72-83319G01	ammeter, dc: 00-50 uA; internal resistance 2560 ohms ± 10%
P1		connector: includes: 28-864669 plug, male, 12-contact; 15-82798H01 shell, plug, plated
P2		includes: 28-864669 plug, male, 12-contact; 15-82798H01 shell, plug, plated
R1	6-855337	resistor, fixed; ohms; ± 2%; 1/2 W; unless otherwise stated 17.5k
R2	6-811974	980k
S1	40-83106B01	switch, rotary: 2-section; each section single pole; 18-position, non-shorting
W1 & W2	1-80703T17	cable, assembly: laced, dc metering includes:
7	42-10217A02	STRAP, tie; 15 used

See Note below

non-referenced items

	1-80703T16	CABLE & SWITCH, dc metering includes: referenced parts P1, P2, R2, S1 and W1 & W2;
6	29-83446D01	TERMINAL, pin; 2 used
4	37-10559	GROMMET, rubber; 2 used
9	2-1376	NUT, 3/8"-32 x 1/2" x 3/32"
10	3-3375	SCREW, tapping, 6-20 5/16"; 2 used
5	4-7666	LOCKWASHER, external, #6; 2 used
12	4-7691	LOCKWASHER, internal, 3/8"
1 & 2	26-83747G01	SHIELD, meter
	36-82869K01	KNOB, includes: 3-7104 set screw, 8-32 x 3/16"
11	42-83155G01	CLIP, meter mounting
3	64-80191B01	PANEL, insert, switch mounting
8	64-83073G08	PANEL, insert, meter mounting

Note: The connector parts listed are no longer available as piece parts. A complete 12-pin connector assembly #0180754A26 is still available from Motorola Parts for about \$17.



FAEPS-28797-O
(L280, 166)