

PAL Pin Names From the RS232 Schematic in the MTX Service Manual

Pin No	Name	Pin No	Name
1	$\overline{\text{MREQ}}$	11	A432
2	$\overline{\text{RD}}$	12	($\overline{\text{RE}}$ /CPM)
3	$\overline{\text{M1}}$	13	R1
4	$\overline{\text{IORQ}}$	14	245DIR
5	DTIEO	15	$\overline{\text{DARTEN}}$
6	$\overline{\text{BUSAK}}$	16	O3
7	A7	17	(No Name)
8	A6	18	R2
9	A5	19	(No Name)

Substituting the identifiers for the generic pin names and comparing the equations with the PALASM source in Andy's REMEMOrizer distribution confirms that the equations have been correctly read and interpreted :-

PAL Output	PAL Reader Equation	Source File from REMEMOrizer
/245DIR	$\overline{\text{M1}} * \overline{\text{IORQ}} * \text{DTIEO}$	/M1L * /IORQL * DTIEO
/DARTEN	$\overline{\text{M1}} * \overline{\text{IORQ}} * \text{A7} * \text{A6} * \text{A5} * \text{A432}$	/A7 * /A6 * /A5 * /A432 * /IORQL * M1L
/O3	$\overline{\text{MREQ}} * \overline{\text{RD}} * (\overline{\text{RE}} / \text{CPM}) * \text{R1} * \text{R2}$	/MREQ * /RDL * /RELCPMH * R2 * /R1
/NoName	$\overline{\text{RD}} * \overline{\text{M1}} * \overline{\text{IORQ}} * \text{A7}$ $+ \overline{\text{RD}} * \overline{\text{M1}} * \overline{\text{IORQ}} * \text{A6}$ $+ \overline{\text{RD}} * \overline{\text{M1}} * \overline{\text{IORQ}} * \text{A5}$	$\text{A7} * \text{A7} * \text{A7} * \text{A7} * \text{A7} * \text{A7}$ $+ \text{A6} * \text{A6} * \text{A6} * \text{A6} * \text{A6} * \text{A6}$ $+ \text{A5} * \text{A5} * \text{A5} * \text{A5} * \text{A5} * \text{A5}$