

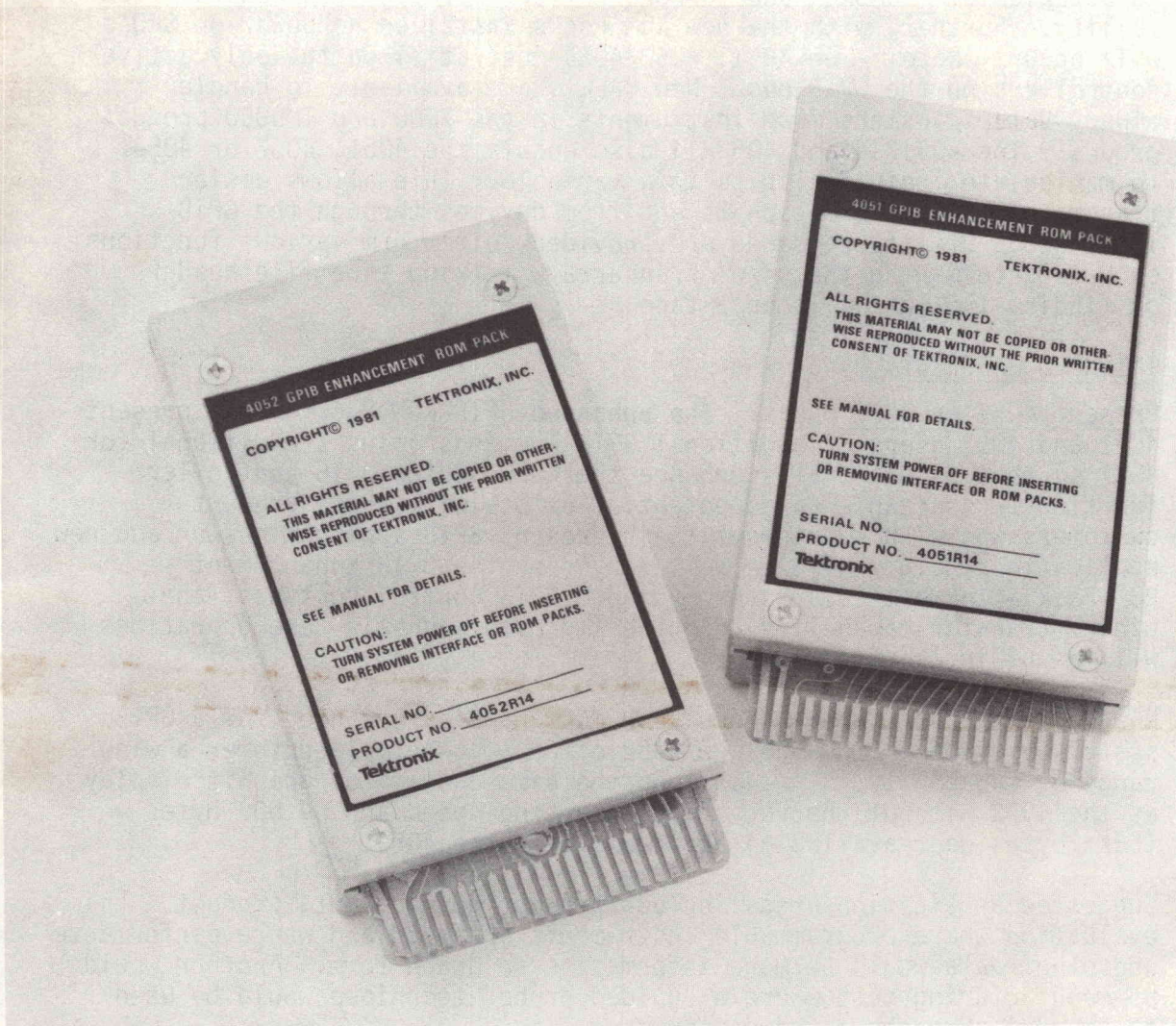
FILE: IDD/IDP

DATE: Mar. 15, 1982

4051R14 AND 4052R14
GPIB ENHANCEMENT ROM PACK

IDD MSR 48-14

Week 11



I. INTRODUCTION:

The 4051R14 and 4052R14 GPIB Enhancement ROM Packs were developed to expand the capability of the 4050 Series Desktop Computers by providing greater control of the GPIB Interface. The ROM Packs will be useful to those customers that acquire data or control instrumentation or devices that use the GPIB.

II. PRODUCT DESCRIPTION

The 4051R14 and 4052R14 contain thirty-nine new commands which facilitate the use of the GPIB and provide additional capability. Standard commands are implemented in easy to use CALL statements, such as CALL "UNL" for Unlisten and CALL "IFC" for Interface Clear. The ROM Packs add the ability to perform a parallel poll and improve the serial poll routine with optional time-out parameters. "CONFIGURE" identifies active GPIB devices on the bus and assigns their addresses to a variable. "ONSRQ" and "OFFSRQ" offer increased bus control flexibility. Further, with the new ROM Packs installed no power-on SRQ's will occur. Note: The 4051, 4052/4054 must still be the only active controllers on the GPIB bus. New CALL's are available to handle binary data transfers from instruments in the 7000 and TM5000 product groups. The 4051R14 and 4052R14 also enable the 4051, 4052 or 4054 to manipulate individual bits in a variable. This allows easier transmission of information to and from devices through the GPIB interface. Utility commands are provided to perform various functions such as determining the size of an array, marking tape file headers or finding the last file on a tape.

III. INTENDED MARKETS

Present 4051 or 4052 Users: The Enhanced GPIB ROM Pack offers present 4051 and 4052 users 39 additional GPIB commands (plus 2 additional for 4051's) that substantially enhance the 4050 Series GPIB controller functions. A sizable sales potential exists with these present customers who wish to augment their present GPIB applications or add new applications. They will be well served by the GPIB Enhancement ROM Pack. In particular, the expanded GPIB control routines, the binary transfer capability, and the improved magnetic tape operations will be of interest to them.

New 4051 or 4052 Users: Where superior graphics and need for a GPIB system is present, the 4051 or 4052 offer a potential customer a wide range of capability. The 4051 has the same quality of graphic display as the 4052 without the very fast computing speed and 64,000 bytes (56K+ bytes user-available) available with the 4052.

Suggested application areas include product development, product evaluation where programmable instruments are used and where performance and other data would be more informative in graph form. Another would be manufacturing test where a "guided probe" technique would be used to improve throughput and performance.

The GPIB Enhancement ROM Pack offers substantial GPIB bus capabilities. The superior graphics of the 4050 Series offers use of the graphic dimension for your customers.

IV. FEATURES AND BENEFITS

GPIB Control

- Access provided to GPIB control lines and standard bus commands available as easy to use call statements.

- Binary Transfers - Facilitates transfer of binary information in either packed or unpacked form.
- Standard CALL Names - Routine names match the standard GPIB mnemonics allowing easier program development.
- Error Message Tables - Provides information for TM5000 instrument error codes.
- Hexidecimal Conversions - Easily converts numbers from decimal to hexidecimal and vice versa.
- Utility Routines - Allow better control of magnetic tape operations including tape file labels and last file search.
- Bit Manipulations - Binary operations on 16 bit numbers allow monitoring of status lines on the GPIB and decoding of data.

V. MARKETING COMMUNICATIONS

MSR AP 211
 Press Release AP 211
 Data Sheet AP 212

TRADE SHOWS

NCGA Anaheim June 13 - 17, 1982
 Siggraph Boston July 26 - 30, 1982

VI. ORDERING INFORMATION

ANNOUNCEMENT: On PAL March 15, 1982

PRODUCT	DESCRIPTION	PURCHASE PRICE	RENTAL						OEM
			90 Day	12 MO.	24 MO.	36 MO.	48 MO.	60 MO.	
4051R14	GPIB Enhancement ROM Pack	\$650	\$55	\$42	\$36	\$29	\$26	\$23	\$520
Option 49	Rental Tag	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/A
4052R14	GPIB Enhancement ROM Pack	\$650	\$55	\$42	\$36	\$29	\$26	\$23	\$520
Option 49	Rental Tag	N/C	N/C	N/C	N/C	N/C	N/C	N/C	N/A

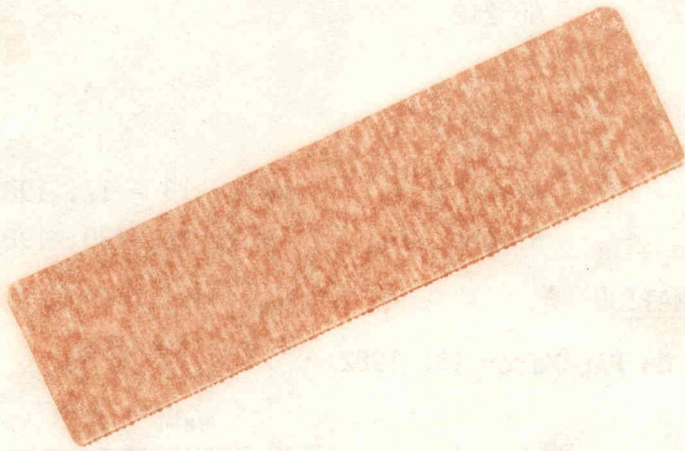
MAINTENANCE:

Schedule B N/A
 Schedule A N/C

Warranty Period: Ninety (90) days from date of shipment
 (Same as 4050 Series Base Product)

Demo Units Available - AP 211

Mark R. Mehall
 4050 Series
 Product Line Manager
 63-425 X3747



RECEIVED
MAR 18 1969
RECEIVED
L. I. FIELD OFFICE