

4052/4052A/4054/4054A FIRMWARE INFORMATION

The following information is a list of all the CRC's for the 4052/4052A/4054/4054A system firmware and current level firmware of each 4052/4052A/4054/4054A ROMpack.

4052/4054 CRC's

IC	PART NUMBER	V2.1			V3.1			V3.2			V4.1		
		P/N LEVEL	WITH PATCH	WITHOUT PATCH	P/N LEVEL	WITH PATCH	WITHOUT PATCH	P/N LEVEL	WITH PATCH	WITHOUT PATCH	P/N LEVEL	WITH PATCH	WITHOUT PATCH
U810	160-0260	01	BB83	BB83	01	4A4E	BB83	01	4A4E	BB83	02	5B67	267D
U820A	160-0261	01	E396	E396	01	E396	E396	01	E396	E396	02	3EAB	3EAB
U820B	160-0261	01	8C00	D684	01	E306	D684	01	E306	D684	02	E7CB	9BBE
U825	160-0262	01	AD91	1AF1	01	0468	1AF1	01	0468	1AF1	02	D098	8BA8
U835	160-0263	01	75A8	00DE	02	E810	D515	02	E810	D515	03	OCA2	9254
U870A	160-0264	01	C1FA	C1FA	01	C1FA	C1FA	01	C1FA	C1FA	02	7132	7132
U870B	160-0264	01	EC8B	4383	01	C5D9	4383	01	C5D9	4383	02	04C8	43B3
U880	160-0265	01	876A	9E7B	01	92BB	9E7B	01	92BB	9E7B	02	E7F0	AF39
U885	160-0266	01	641A	030C	02	1344	593F	02	1344	593F	03	2E15	7369
U893	160-0267	01	FABF	FABF	01	0613	FABF	01	0613	FABF	02	CB18	CB18
U805A	160-0340	00	1E52	XXXX	01	5DD7	XXXX	03	B9D1	XXXX	02	9407	XXXX
U805B	160-0340	00	XXXX	XXXX	01	XXXX	XXXX	03	XXXX	XXXX	02	XXXX	XXXX
U897A	160-0341	00	97F7	XXXX	01	B742	XXXX	01	B742	XXXX	02	F080	XXXX
U897B	160-0341	00	XXXX	XXXX	01	XXXX	XXXX	01	XXXX	XXXX	02	XXXX	XXXX
U845	160-0379	00	XXXX	XXXX	01	XXXX	XXXX	01	XXXX	XXXX	02	XXXX	XXXX
U863	160-0380	00	XXXX	XXXX	01	XXXX	XXXX	01	XXXX	XXXX	02	XXXX	XXXX

4052/4054 CRC's

IC	PART NUMBER	V4.2			V4.3			V4.4			V5.1		
		P/N LEVEL	WITH PATCH	WITHOUT PATCH	P/N LEVEL	WITH PATCH	WITHOUT PATCH	P/N LEVEL	WITH PATCH	WITHOUT PATCH	P/N LEVEL	WITH PATCH	WITHOUT PATCH
U810	160-0260	02	5B67	267D	02	5B67	267D	02	5B67	267D	03		2057
U820A	160-0261	02	3EAB	3EAB	02	3EAB	3EAB	02	3EAB	3EAB	03		0066
U820B	160-0261	02	12A0	9BBE	02	00F1	9BBE	02	00F1	9BBE	03		494F
U825	160-0262	02	D098	8BA8	02	7403	8BA8	02	7403	8BA8	03		8C30
U835	160-0263	03	27B0	9254	03	241B	9254	03	08AF	9252	04		6389
U870A	160-0264	02	7132	7132	02	7132	7132	02	7132	7132	03		46C9
U870B	160-0264	02	026A	43B3	02	95BC	43B3	02	95BC	43B3	03		67B6
U880	160-0265	02	E7F0	AF39	02	3FE5	AF39	02	3FE5	AF39	03		AF97
U885	160-0266	03	97C6	7369	03	026F	7369	03	1B6B	7369	04		38E2
U893	160-0267	02	1F38	CB18	02	1F38	CB18	02	1F38	CB18	03		93A4
U805A	160-0340	04	9BAC	XXXX	05	68D3	XXXX	06	AEDD	XXXX	U805A/U820C		8D82 *
U805B	160-0340	04	XXXX	XXXX	05	XXXX	XXXX	06	XXXX	XXXX	U805B/U820D		D064 *
U897A	160-0341	03	C7CD	XXXX	04	4A20	XXXX	05	A7E3	XXXX	U897A/U870C		C27E *
U897B	160-0341	03	XXXX	XXXX	04	XXXX	XXXX	05	XXXX	XXXX	U897B/U870D		71C4 *
U845	160-0379	03	XXXX	XXXX	04	XXXX	XXXX	05	XXXX	XXXX			
U863	160-0380	03	XXXX	XXXX	04	XXXX	XXXX	05	XXXX	XXXX			

4052/4052A/4054/4054A FIRMWARE INFORMATION (CONT.)

4052A/4054A CRC's

IC	PART NUMBER	V1.3		V1.4	
		P/N LEVEL	CRC	P/N LEVEL	CRC
U810	160-1698	00	68DF	00	68DF
U820A	160-1699	00	E525	00	E525
U820B	160-1699	00	4869	00	4869
U825	160-1700	00	7DDF	00	7DDF
U835	160-1701	00	E98D	01	EC6E
U870A	160-1684	00	64B7	00	64B7
U870B	160-1684	00	4F31	00	4F31
U880	160-1683	00	59EE	00	59EE
U885	160-1691	00	83F8	01	43DF
U893	160-1682	00	7F39	00	7F39
* U805A U820C	160-1699	00	0B9D	00	0B9D
* U805B U820D	160-1699	00	3480	00	3480
* U897A U870C	160-1684	00	C9F8	00	C9F8
* U897B U870D	160-1684	00	F93E	00	F93E

\*When using the 4052/4054 Diagnostic ROMpack to read CRC's of a 4052A/4054A or a 4052/4054 V5.1 firmware, the ROMpack will list CRC's for U805A, U805B, U897A and U897B. U805 and U897 do not exist in the "A" or "V5.1" models of the 4052/4054, but these CRC's are valid extensions of U820 and U870. Therefore, as shown in the chart, the ROMpack prints the CRC for U805A the actual CRC value corresponds to U820C, U805B corresponds to U820D, U897A corresponds to U870C, and U897B corresponds to U870D.

## 4052/4052A/4054/4054A ROMpack CRC's:

Editor ROMpack 4052/4054 R06 Level 2.0

U1            160-1414-00        ----  
 U11          160-1415-00        2D58            (1 CRC for both)

SPS ROMpack #1 4052/4054 R07 Level 2.0

U1            160-1416-00        B6B3

SPS ROMpack #2 4052/4054 R08 Level 2.0

U1            160-1417-00        ---  
 U11          160-1418-00        FF43            (1 CRC for both)

Real Time ROMpack 4052/4054 R09 Level 3.0

U21          160-0762-02        673E

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4052/4052A/4054/4054A FIRMWARE INFORMATION (CONT.)

## 4909 Advanced File Manager ROMpack 4052/4054 R10 Level 1

U1	160-1337-00	----	
U11	160-1338-00	5C8C	(1 CRC for both)

## Character &amp; Symbol ROMpack 4052/4054 R11 Level 1

U1	160-1313-00	----	
U11	160-1314-00	5AA8	(1 CRC for both)
U13	160-1315-00	----	
U15	160-1316-00	6051	(1 CRC for both)

## Graphics Enhancement ROMpack R12 Level 1.0

U1	160-2039-00	37D2	
U11	160-2040-00	6FDC	
U13	160-2041-00	98B2	

## GPIB Enhancement ROMpack 4052/4054 R14 Level 1.0

U1	160-1638-00	----	
U11	160-1639-00	B50F	(1 CRC for both)

## GPIB Enhancement ROMpack 4052A/4054A R14 Opt. 1A Level 1.0

U1	160-2026-00	----	
U11	160-2027-00	8756	(1 CRC for both)
U13	160-2043-00	B399	

## 4907 Opt. 40 File Manager ROMpack 020-0476-01 Level 3.0

U1	160-1419-01	----	
U11	160-1420-01	994F	(1 CRC for both)
U13	160-1703-00	608A	

## 4052 DTSEND Rompack 020-0614-00 Level 2.0

U1	160-1421-00	72FF	
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## 4052A Option 10 Printer Interface Level 1.0

U100	160-0342-01	1ECA	
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## 4052/4052A/4054/4054A GPIB Test ROMpack 067-1113-99 Level 1.0

U1	160-1835-00	----	
U2	160-1836-00	D1EE	

## 067-0900-01 4052A Diagnostic ROMpack V1.5

U101	160-0381-02	----	
U111	160-0382-02	7580	(1 CRC for both)