

		1		1	
		2		2	
		3		3	
		4		4	
		5		5	mc80_PP8      Filter für P -> MC
		6		6	=====
		7		7	
		8		8	Lorg 3B9BH
0	0000	9 01		9	DB 01H
0	0001	10 6d 04		10	DW 046DH
0	0003	11 50 50		11	DW 5050H
0	0005	12 38		12	DB 38H
0	0006	13 ff		13	DB OFFH
0	0007	14 cd 47 3b		14	CALL 3B47H ;P8S
0	000a	15 21 73 3a		15	LD HL,3A73H
0	000d	16 11 00 16		16	LD DE,1600H
0	0010	17 cd 26 3b		17	CALL 3B26H
0	0013	18 cd 51 3a		18	CALL 3A51H
		19		19	
		20		20	1. Teil F0 0D 0A
		21		21	-----
		22		22	
0	0016	23 fd 21 29		23	LD IY,0FC29H
				fc	
0	001a	24 3e 02		24	LD A,02H
0	001c	25 ed 41		25	OUT 85H
0	001e	26 11 06 40		26	LD DE,04006H
0	0021	27 21 06 40		27	LD HL,04006H
0	0024	28 7e		28	TE1: LD A,(HL)
0	0025	29 fe f0		29	CP 0F0H
0	0027	30 28 4d		30	JR Z,M1 ;ja
0	0029	31 fe 0d		31	CP 0DH
0	002b	32 28 53		32	JR Z,M3 ;ja
0	002d	33 fe 0a		33	CP 0AH
0	002f	34 28 5b		34	JR Z,M4 ;ja
0	0031	35 fd cb 00		35	RES 0,(IY+00H)
				85	
0	0035	36 fd cb 00		36	RES 1,(IY+00H)
				8e	
0	0039	37 12		37	M2: LD (DE),A
0	003a	38 13		38	INC DE
0	003b	39 23		39	INC HL
0	003c	40 7c		40	LD A,H
0	003d	41 fe e5		41	CP 0E5H ;Ende?
0	003f	42 20 e3		42	JR NZ,TE1 ;nein
		43		43	
		44		44	
		45		45	
		46		46	Teil 2 FF 20 20 20 20 20 20 20 20 20
		47		47	-----
		48		48	
0	0041	49 11 06 40		49	TE2: LD DE,04006H
0	0044	50 21 06 40		50	LD HL,04006H
0	0047	51 7e		51	TE21: LD A,(HL)
0	0048	52 fe ff		52	CP OFFH
0	004a	53 28 51		53	JR Z,M5 ;ja
0	004c	54 fe 20		54	CP 20H
0	004e	55 28 57		55	JR Z,M6 ;ja

0	0050	56 fd cb 00	56		RES 4, (IY+00H)
				a6	
0	0054	57 fd cb 00	57		RES 5, (IY+00H)
				ae	
0	0058	58 12	58	M22:	LD (DE), A
0	0059	59 13	59		INC DE
0	005a	60 23	60		INC HL
0	005b	61 7c	61		LD A, H
0	005c	62 fe e5	62		CP 0E5H ;Ende?
0	005e	63 20 e7	63		JR NZ, TE21 ;nein
0	0060	64 3e 01	64		LD A, 01H ;ja
0	0062	65 d3 85	65		OUT (85H), A
0	0064	66 21 c8 3a	66		LD HL, 3AC8H
0	0067	67 11 1a 16	67		LD DE, 161AH
0	006a	68 01 0a 00	68		LD BC, 0AH
0	006d	69 cd be 0b	69		CALL BBDEH
0	0070	70 3e 07	70		LD A, 07H ↗
0	0072	71 d3 d0	71		OUT (0D0H), A
0	0074	72 af	72		XOR A
0	0075	73 c9	73		RET
		74	74		
		75	75		
		76	76		
		77	77	↑	UP Teil1
		78	78	-----	
		79	79	↑	
0	0076	80 fd cb 00	80	M1:	SET 0, (IY+00H) ;F0 merken
				c6	
0	007a	81 fd cb 00	81		RES 1, (IY+00H)
				8e	
0	007e	82 18 b9	82		JR M2
		83	83		
0	0080	84 fd cb 00	84	M3:	BIT 0, (IY+00H) ;F0 gewesen?
				46	
0	0084	85 28 b3	85		JR Z, M2 ;nein
0	0086	86 fd cb 00	86		SET 1, (IY+00H) ;0D merken
				c6	
0	008a	87 18 ad	87		JR M2
		88	88		
0	008c	89 fd cb 00	89	M4:	BIT 0, (IY+00H) ;F0?
				46	
0	0090	90 28 a7	90		JR Z, M2 ;nein
0	0092	91 fd cb 00	91		BIT 1, (IY+00H) ;0D?
				46	
0	0096	92 28 a1	92		JR Z, M2 ;nein
0	0098	93 1b	93		DEC DE
0	0099	94 1b	94		DEC DE
0	009a	95 1b	95		DEC DE
0	009b	96 18 9c	96		JR M2
		97	97		
		98	98		
		99	99	↑	UP Teil2
		100	100	-----	
		101	101	↑	
0	009d	102 fd cb 00	102	M5:	SET 4, (IY+00H) ;FF merken
				e6	
0	00a1	103 fd cb 00	103		RES 5, (IY+00H)
				ae	

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U880 CROSSASSEMBLER

Thu

0	08a5	104 18 b1	104		JR M22
		105	105	;:	
0	00a7	106 fd cb 00	106	M6:	BIT 4,(IY+00H) ;FF gewesen?
				66	
0	00ab	107 20 ab	107		JR Z,M22 ;nein
0	00ad	108 fd cb 00	108		BIT 5,(IY+00H) ;schon 20 gewesen?
				6e	
0	00b1	109 20 D8	109		JR NZ,M61 ;ja
0	00b3	110 fd cb 00	110		SET 5,(IY+00H) ;merken
				ee	
0	00b7	111 fd 36 01	111		LD (IY+01H),07H
				87	
0	00bb	112 fd 35 01	112	M61:	DEC (IY+01)
0	00be	113 20 98	113		JR NZ,M22
		114	114	; BX 20H gewesen	
0	00c0	115 06 09	115		LD B,09H
0	00c2	116 1b	116	M71:	DEC DE
0	00c3	117 20 fd	117		JR NZ,M71
0	00c5	118 3e 09	118		LD A,09H
0	00c7	119 fd cb 00	119		RES 4,(IY+00H)
				a6	
0	00cb	120 fd cb 00	120		RES 5,(IY+00H)
				ae	
0	00cf	121 18 87	121		JR M22
		122	122		
		123	123		
		124	124		
		125	125		
0	00d1	126 56 65	126	VERS:	TEXT 'Version 0612'
0	00d3	72 73			
0	00d5	69 6f			
0	00d7	6e 20			
0	00d9	20 30			
0	00db	36 31			
0	00dd	32 20			
		127	127		
		128	128		
		129	129		
		130	130		
		131	131		
		132	132		
		133	133		
0	00df	134	0	end	
					E N D E V O N mc88_PP8

the number of errors detected in this assembly is 0

88 \* 6  
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U880 CROSSASSEMBLER

Thu

S E C		C R O S S - r e f e r e n c e l i s t i n g						A
name	type	value	defn	references				
m1	lab	0076	88	30				
m2	lab	0039	37	62	65	87	90	92
				96				
m22	lab	0058	58	104	107	113	121	
m3	lab	0080	84	32				
m4	lab	008c	89	34				
m5	lab	009d	102	53				
m6	lab	00a7	106	55				
m61	lab	00bb	112	109				
m71	lab	00c2	116	117				
te1	lab	0024	28	42				
te2	lab	0041	49					
te21	lab	0047	51	63				
vers	lab	00d1	126					

mc80\_PP8 Filter für P -> MC

org 3B90H

```
DB 01H
DA 046DH
DA 5050H
DB 38H
DB 0FFH
CALL 3B47H      ;P88
LD HL,3A73H
LD DE,1600H
CALL 3B26H
CALL 3A51H
```

1. Teil FF 0D 0A

```
LD IY,0FC29H
LD A,02H
OUT 85H
LD DE,04006H
LD HL,04006H
TE1: LD A,(HL)
CMP 0F0H
JRZ M1      ; ja
CMP 0DH
JRZ M3      ; ja
CMP 0AH
JRZ M4      ; ja
RES 0,(IY)
RES 1,(IY)
M2: LD (DE),A
INC DE
INC HL
LD A,H
CMP 0E5H      ; Ende?
JRNZ TE1      ; nein
```

Teil 2 FF 20 20 20 20 20 20 20 20

```
TE2: LD DE,04006H
LD HL,04006H
TE21: LD A,(HL)
CMP 0FFH
JRZ M5      ; ja
CMP 20H
JRZ M6      ; ja
RES 4,(IY)
```

```

        RES 5,(IY)
M22: LD (DE),A
      INC DE
      INC HL
      LD A,H
      CMP 0E5H      ;Ende?
      JRNZ TE21    ;nein
      LD A,01H      ;ja
      OUT 85H
      LD HL,3AC8H
      LD DE,161AH
      LD BC,0AH
      CALL 0B8EH
      LD A,07H
      OUT 0D0H
      XOR A
      RET

```

## UP Teil1

```

M1: SET 0,(IY)      ;F0 merken
      RES 1,(IY)
      JR M2

M2: BIT 0,(IY)      ;F0 gewesen?
      JRZ M2       ;nein
      SET 1,(IY)    ;0D merken
      JR M2

M3: BIT 0,(IY)      ;F0?
      JRZ M2       ;nein
      BIT 1,(IY)    ;0D?
      JRZ M2       ;nein
      DEC DE
      DEC DE
      DEC DE
      JR M2

```

## UP Teil2

```

M5: SET 4,(IY)      ;FF merken
      RES 5,(IY)
      JR M22

M6: BIT 4,(IY)      ;FF gewesen?
      JRZ M22      ;nein
      BIT 5,(IY)    ;schon 20 gewesen?
      JRNZ M61     ;ja
      SET 5,(IY)    ;merken
      LD (IY+01H),07H
      DEC (IY+01)  22 8

```

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面C60\_PP8

Page 3

```

; 8x 20H gewesen
LD B,08H
DEC DE
JRNZ M71
LD A,09H
RES 4,(IY)
RES 5,(IY)
JR M22

```

FF 20 20 20 20 20 20 20 20