

ST2 = Motors & Sensors

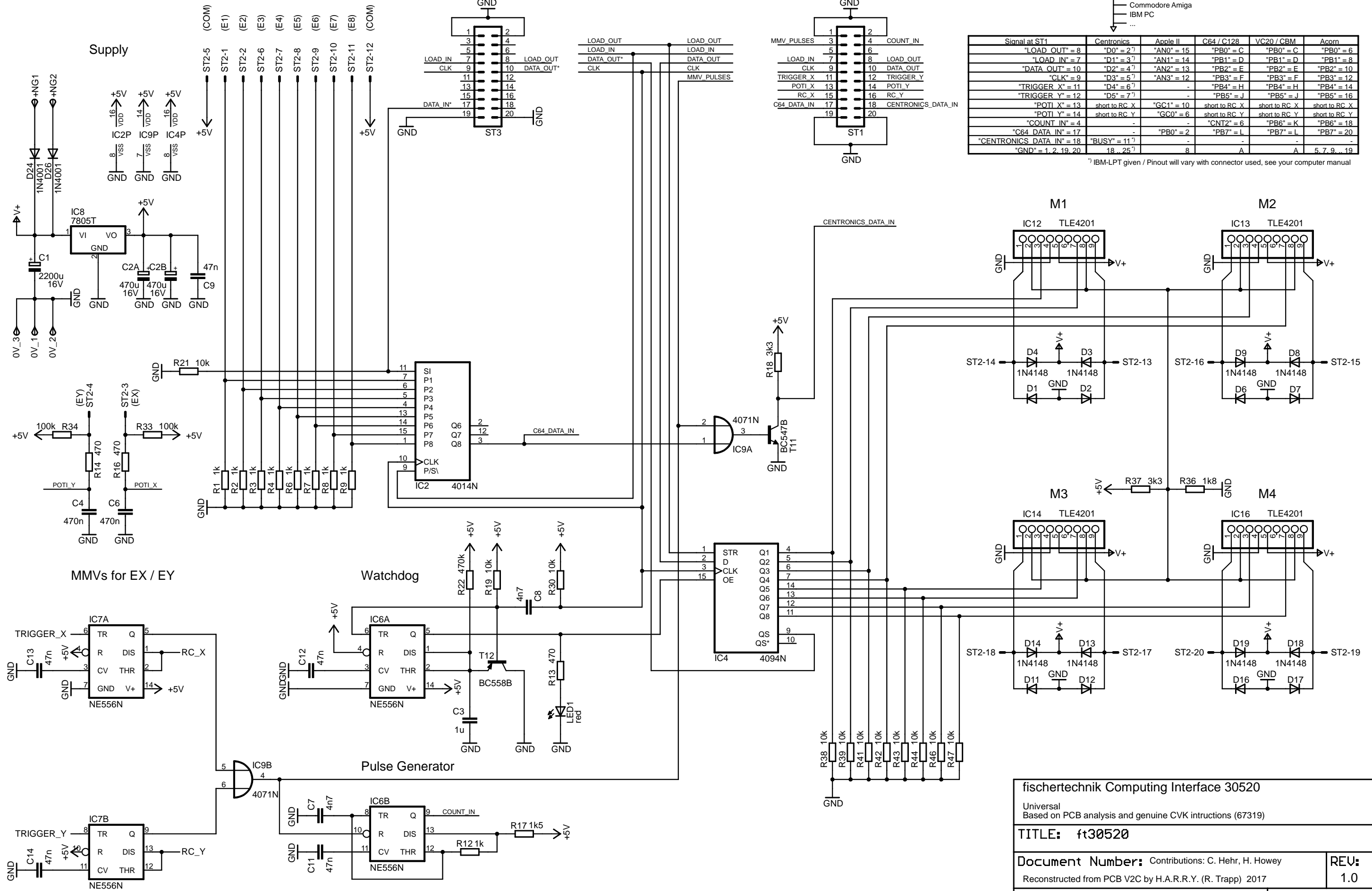
ST3 connects to Universal- (30566 or 30520) or CVK- (39319 or 66843) interfaces as a slave device.

to computer via external adapter PCB (or directly to 30520 slave connector)

- Amstrad / Schneider CPC 464 / 664 / 6128
- Atari ST
- Commodore Amiga
- IBM PC
- ...

Signal at ST1	Centronics	Apple II	C64 / C128	VC20 / CBM	Acom
"LOAD_OUT" = 8	"D0" = 2 <sup>1</sup>	"AN0" = 15	"PB0" = C	"PB0" = C	"PB0" = 6
"LOAD_IN" = 7	"D1" = 3 <sup>1</sup>	"AN1" = 14	"PB1" = D	"PB1" = D	"PB1" = 8
"DATA_OUT" = 10	"D2" = 4 <sup>1</sup>	"AN2" = 13	"PB2" = E	"PB2" = E	"PB2" = 10
"CLK" = 9	"D3" = 5 <sup>1</sup>	"AN3" = 12	"PB3" = F	"PB3" = F	"PB3" = 12
"TRIGGER_X" = 11	"D4" = 6 <sup>1</sup>	-	"PB4" = H	"PB4" = H	"PB4" = 14
"TRIGGER_Y" = 12	"D5" = 7 <sup>1</sup>	-	"PB5" = J	"PB5" = J	"PB5" = 16
"POTI_X" = 13	short to RC_X	"GC1" = 10	short to RC_X	short to RC_X	short to RC_X
"POTI_Y" = 14	short to RC_Y	"GC0" = 6	short to RC_Y	short to RC_Y	short to RC_Y
"COUNT_IN" = 4	-	"CNT2" = 6	"PB6" = K	"PB6" = K	"PB6" = 18
"C64_DATA_IN" = 17	-	"PB0" = 2	"PB7" = L	"PB7" = L	"PB7" = 20
"CENTRONICS_DATA_IN" = 18	"BUSY" = 11 <sup>1</sup>	-	-	-	-
"GND" = 1, 2, 19, 20	18, 25 <sup>1</sup>	8	A	A	5, 7, 9, 19

<sup>1</sup> IBM-LPT given / Pinout will vary with connector used, see your computer manual



fischertechnik Computing Interface 30520  
 Universal  
 Based on PCB analysis and genuine CVK instructions (67319)  
**TITLE:** ft30520  
**Document Number:** Contributions: C. Hehr, H. Howey  
 Reconstructed from PCB V2C by H.A.R.R.Y. (R. Trapp) 2017  
**Date:** 22.04.2017 16:39:34  
**REV:** 1.0  
**Sheet:** 1/1