ST2 = Motors & Sensors

DCH connects to an Apple-IF (30563) 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	Acorn
"LOAD_OUT" = 8	"D0" = 2 *)	"AN0" = 15	"PB0" = C	"PB0" = C	"PB0" = 6
"LOAD_IN" = 7	"D1" = 3 *)	"AN1" = 14	"PB1" = D	"PB1" = D	"PB1" = 8
"DATA_OUT" = 10	"D2" = 4 *)	"AN2" = 13	"PB2" = E	"PB2" = E	"PB2" = 10
"CLK" = 9	"D3" = 5 *)	"AN3" = 12	"PB3" = F	"PB3" = F	"PB3" = 12
"TRIGGER_X" = 11	"D4" = 6 *)	-	"PB4" = H	"PB4" = H	"PB4" = 14
"TRIGGER_Y" = 12	"D5" = 7 *)	-	"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" = 18
"C64_DATA_IN" = 17	-	"PB0" = 2	"PB7" = L	"PB7" = L	"PB7" = 20
"CENTRONICS_DATA_IN" = 18	"BUSY" = 11 *)	-	-	-	-
"GND" = 1, 2, 19, 20	18 .. 25 *)	8	A	A	5, 7, 9, .. 19

*) IBM-LPT given / Pinout will vary with connector used, see your computer manual

Supply

Watchdog

MMVs for EX / EY

Pulse Generator

M1

M2

M3

M4

fischertechnik Computing Interface 30566	
Centronics (Universal) Based on PCB analysis and genuine CVK intructions (67319)	
TITLE: ft30566	
Document Number: Contributions: C. Hehr, H. Howey Reconstructed from PCB "single side" by H.A.R.R.Y. (R. Trapp) 2017	REV: 1.0
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