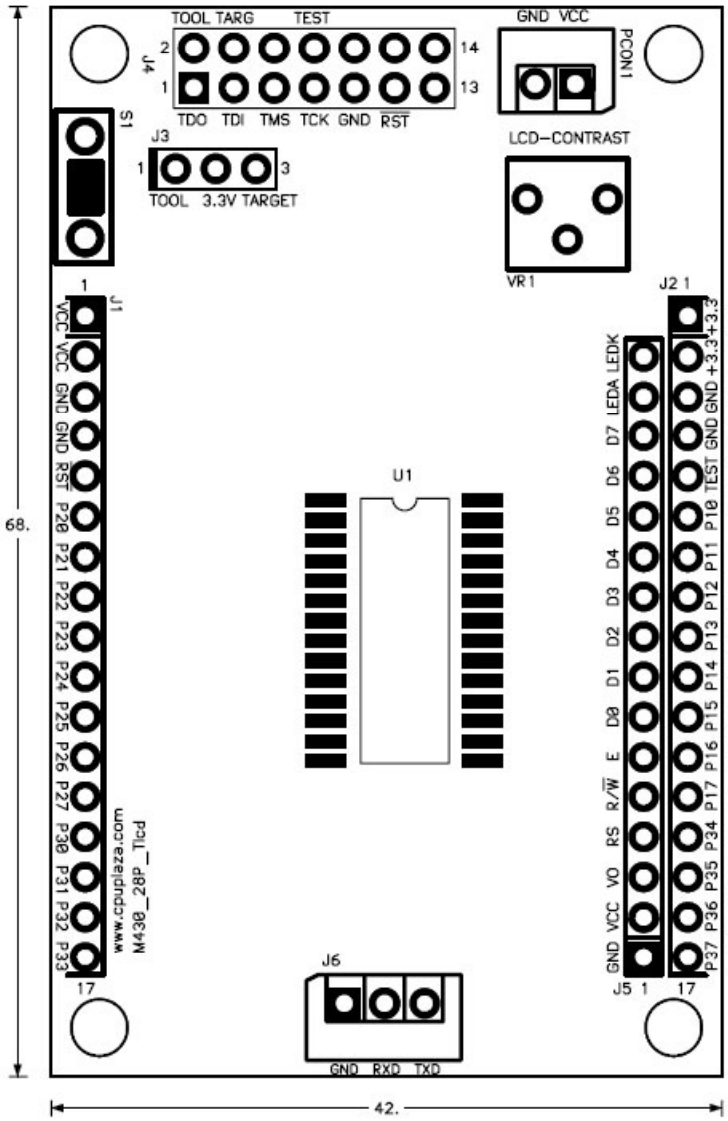
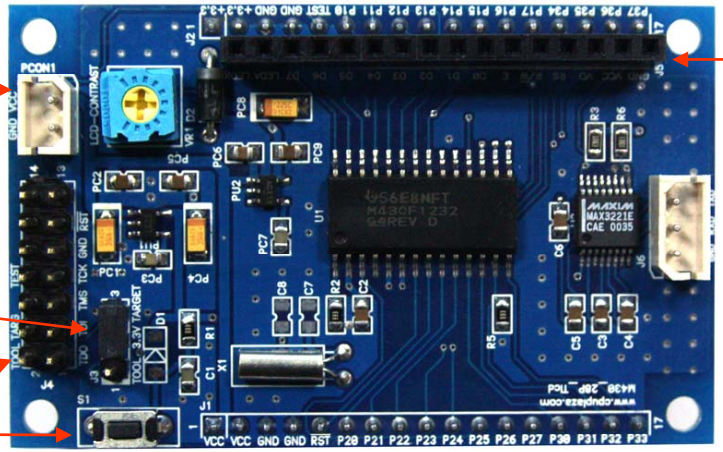

TOOL TARG TEST
J4
2
1
14
13
TDO TDI TMS TCK GND RST
GND VCC
PCON1
S1
J3
1
3
TOOL 3.3V TARGET
LCD-CONTRAST
VR1
J1
1
17
VCC VCC GND GND RST P20 P21 P22 P23 P24 P25 P26 P27 P30 P31 P32 P33
J2 1
17
+3.3 +3.3 GND TEST P10 P11 P12 P13 P14 P15 P16 P17 P34 P35 P36 P37
LEDK LEDA D7 D6 D5 D4 D3 D2 D1 D0 E R/W RS VO VCC GND
J5 1
U1
J6
GND RXD TXD
www.cpuplaza.com
M430_28P_Tlcd
68.
42.

J3 : 전원 입력 방법 설정

NUM	NAME
1-2	TOOL(보드<-JTAG)
2-3	TARGET(보드->JTAG)

PCON1 : DC 전원 입력

NUM	NAME
1	DC5-7V
2	GND



NUM	NAME	NUM	NAME
1	GND	9	D2
2	+5V	10	D3
3	VO	11	D4
4	RS	12	D5
5	R/W₩	13	D6
6	E	14	D7
7	D0	15	LEDA
8	D1	16	LEDK

J4 : JTAG(4Wire)

NUM	NAME	NUM	NAME
1	TDO	8	TEST
2	TOOL 전원(보드 <- JTAG)	9	GND
3	TDI	10	N.C
4	TARGET 전원(보드 -> JTAG)	11	RST₩
5	TMS	12	N.C
6	N.C	13	N.C
7	TCK	14	N.C

J1 : I/O 확장

NUM	NAME
1 2	VCC(외부 전원 입력) DC5-7V
3 4	GND
5	RST₩
6	P2.0
7	P2.1
8	P2.2
9	P2.3
10	P2.4
11	P2.5
12	P2.6(XIN)
13	P2.7(XOUT)
14	P3.0
15	P3.1
16	P3.2
17	P3.3

J2 : I/O 확장

NUM	NAME
1 2	3.3V(내부 LDO 출력) 500mA
3 4	GND
5	TEST
6	P1.0
7	P1.1
8	P1.2
9	P1.3
10	P1.4
11	P1.5
12	P1.6
13	P1.7
14	P3.4
15	P3.5
16	P3.6
17	P3.7

J5: UART(RS-232)

NUM	NAME
1	RXD
2	TXD
3	+3.3V
4	GND

PORT P3.6으로 파워다운 제어
* 자동 파워다운 기능