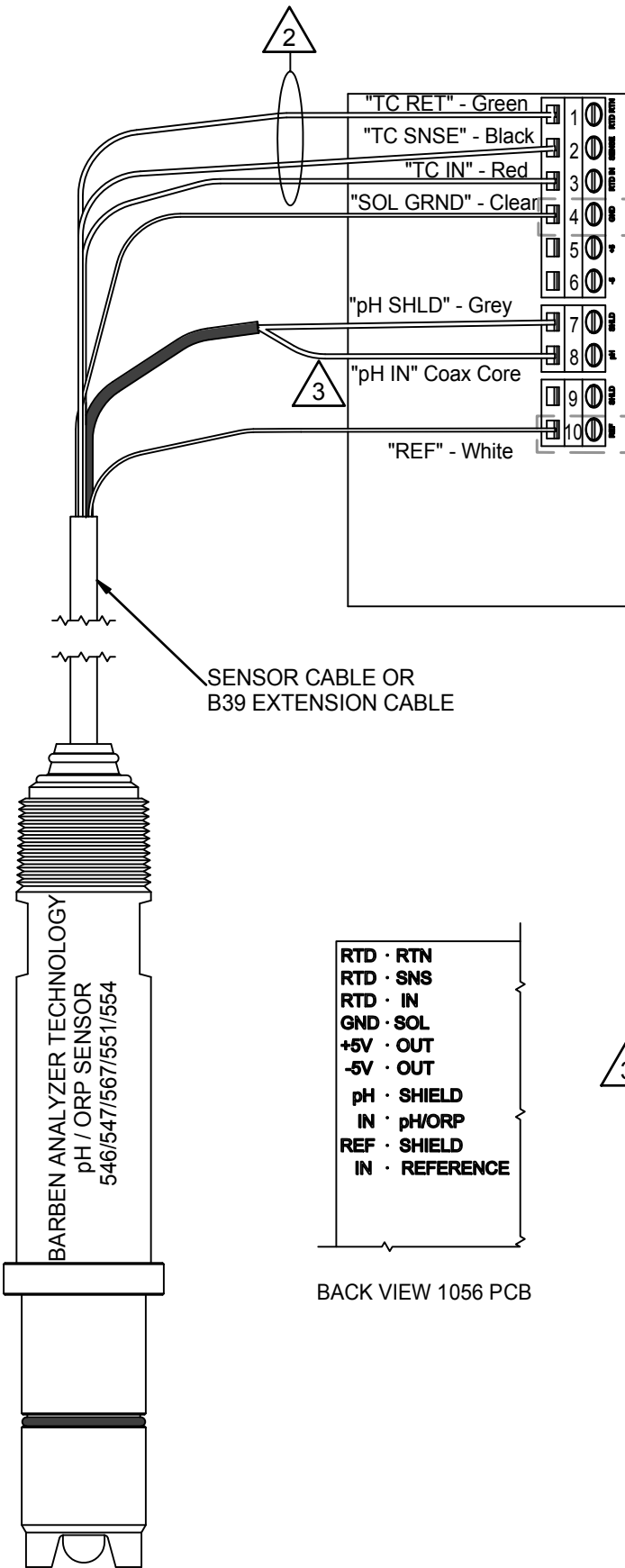
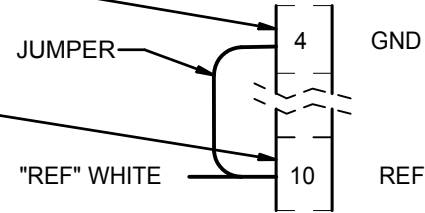


**BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR - WIRED TO ROSEMOUNT 1056**  
**BAT SENSOR CONFIGURATION: "E" TERMINATION**



**"IMPORTANT WARNING"**

**1** THE WIRING SHOWS A SENSOR WITH A "SOL GRND" WHICH IS AVAILABLE IN MODELS WITH ( GT, UT & LT ) e.g. ( B-V-546-X-LT-X-X-X-X-X )  
 FOR SENSORS WITHOUT SOLUTION GROUND ( FT, ST & DT ) YOU MUST INSTALL A JUMPER



AND SENSOR DIAGNOSTICS MUST BE TURNED OFF.

- 2** FOR SENSORS W/O TC, DISREGARD TC WIRES. PROGRAM ANALYZER FOR MANUAL TEMPERATURE COMPENSATION.
- 3** FOR ORP SENSORS COAX CORE WILL BE LABELED "ORP IN" AND WIRING IS THE SAME.

**ANALYZER CONFIGURATION AND SETTINGS**

• WIRING

Description	Terminal
"TC RET" - Green	1
"TC SNSE" - Black	2
"TC IN" - Red	3
"SOL GRND" - Clear (Drain)	4
"pH SHLD" - Coax Grey	7
"pH IN" - Coax Core Wire	8
"REF" - White	10

**3**

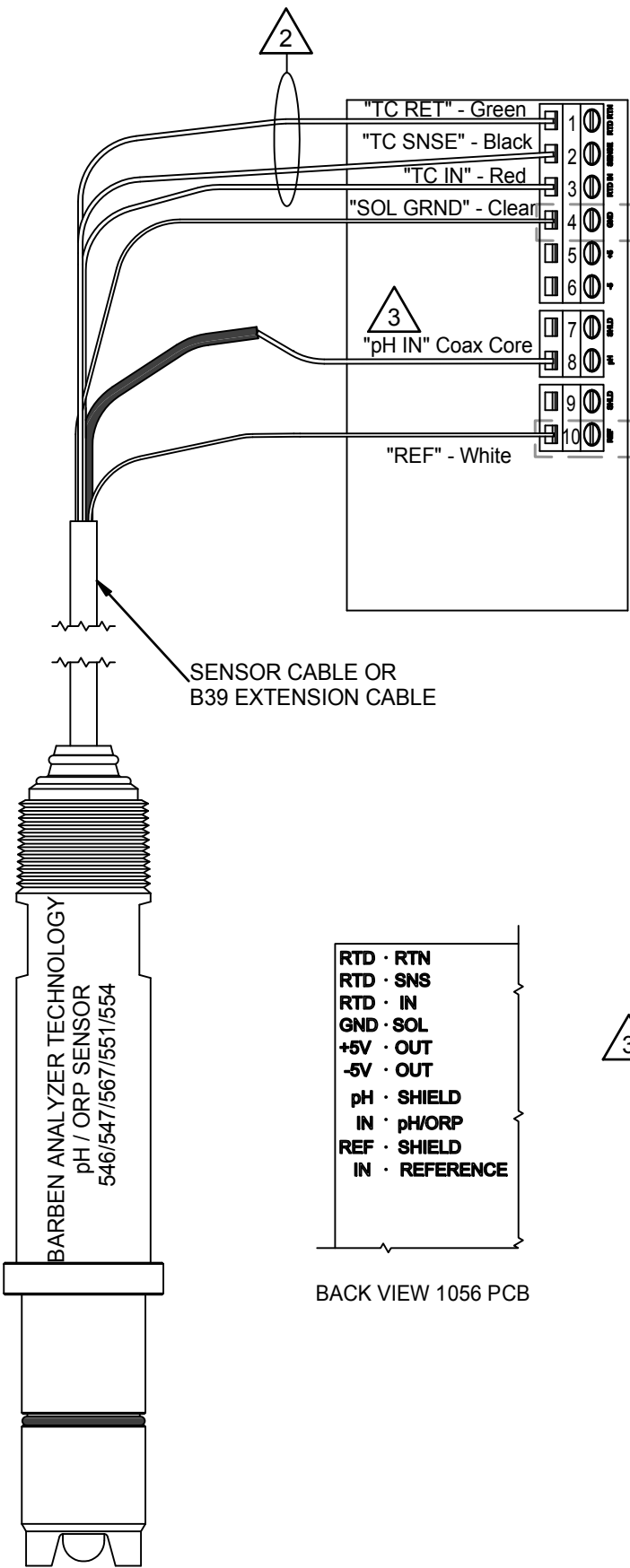
- Analyzer accepts PT100 & PT1000 RTD's
- Select automatic temperature compensation mode.
- Select Integral Pre-Amp XMTR.
  - If sensor cable > 30-ft Pre-Amp Required. Consult XMTR Manual.

BACK VIEW 1056 PCB

-	05/07/13	INITIAL	WC	JL
REV	DATE	DESCRIPTION	DWN	APVD

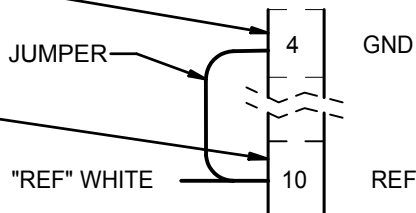
REVISIONS			
BAT pH/ORP SENSOR "E" TERMINATION ROSEMOUNT 1056			
DIMENSIONS IN INCHES		FOR 1056 TO BAT pH SENSORS	
TOLERANCES			
.0 ± .015"		5200 Convair Drive Carson City, NV 89706 PH(775)883-2500 FAX (775)297-4740	
.00 ± .010"		DRAWN BY W. COWAN ECO DRAWING NO	
.000 ± .005"		APVD BY J. LANG 1637 2P0266	
FRACTIONAL ALL ± .015"		DATE 05/07/2013 SCALE SIZE SHEET	
ANGLES ± 1/4°		05/07/2013 A 1 OF 2	
UNLESS OTHERWISE SPECIFIED			

**BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR - WIRED TO ROSEMOUNT 1056**  
**BAT SENSOR CONFIGURATION: "C" TERMINATION**



**"IMPORTANT WARNING"**

**1** THE WIRING SHOWS A SENSOR WITH A "SOL GRND" WHICH IS AVAILABLE IN MODELS WITH ( GT, UT & LT ) e.g. ( B-V-546-X-**LT**-X-X-X-X-X )  
 FOR SENSORS WITHOUT SOLUTION GROUND ( FT, ST & DT ) YOU MUST INSTALL A JUMPER



AND SENSOR DIAGNOSTICS MUST BE TURNED OFF.

- 2** FOR SENSORS W/O TC, DISREGARD TC WIRES. PROGRAM ANALYZER FOR MANUAL TEMPERATURE COMPENSATION.
- 3** FOR ORP SENSORS COAX CORE WILL BE LABELED "ORP IN" AND WIRING IS THE SAME.

**ANALYZER CONFIGURATION AND SETTINGS**

• WIRING

Description	Terminal
"TC RET" - Green	1
"TC SNSE" - Black	2
"TC IN" - Red	3
"SOL GRND" - Clear (Drain)	4
<b>3</b> "pH IN" - Coax Core Wire	8
"REF" - White	10

- Analyzer accepts PT100 & PT1000 RTD's
- Select automatic temperature compensation mode.
- Select Integral Pre-Amp XMTR.
  - If sensor cable > 30-ft Pre-Amp Required. Consult XMTR Manual.

BACK VIEW 1056 PCB

-	05/07/13	INITIAL	WC	JL
REV	DATE	DESCRIPTION	DWN	APVD
REVISIONS				

DIMENSIONS IN INCHES	BAT pH/ORP SENSOR "C" TERMINATION ROSEMOUNT 1056			
TOLERANCES	FOR 1056 TO BAT pH SENSORS			
.0 ± .015"				
.00 ± .010"				
.000 ± .005"				
FRACTIONAL ALL ± .015"	5200 Convair Drive Carson City, NV 89706 PH(775)883-2500 FAX (775)297-4740			
ANGLES ± 1/4°	DRAWN BY	W. COWAN	ECO	DRAWING NO
UNLESS OTHERWISE SPECIFIED	APVD BY	J. LANG	1637	2P0266
	DATE	05/07/2013	SCALE	SIZE A
				SHEET 2 OF 2