APPENDIX N

Connecting SKR PRO V1.1 with MAX31865 Amplifier Board via Software SPI <u>Marlin 2.0.x Firmware Setup via Technique #1</u>

• In VScode edit the file 'temperature.cpp' file (it is located in ".../Marlin/src/module/" and change 400 to 430 in the following line [around line 1378 (there is only one occurrence)]:

```
return ((
    #if ENABLED(MAX6675_IS_MAX31865)
    max31&65_temperature(100, 400)) // 100 ohms = PT100 resistance. 400 ohms = calibration resistor
    #else
To
    return ((
    #if ENABLED(MAX6675_IS_MAX31865)
    max31&65_temperature(100, 430)) // 100 ohms = PT100 resistance. 400 ohms = calibration resistor
    #else
```

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APPENDIX N Connecting SKR PRO V1.1 with MAX31865 Amplifier Board via Software SPI

Marlin 2.0.x Firmware Setup via Technique #1

⋈	File Edit Selection View Go Run Tern	minal Help temperature.cpp - Marlin-2.0.6 - Visual Studio Code	- 🛛	×	
Ch	EXPLORER ····	C Configuration.h 😻 PIO Home C pins_BTT_SKR_PRO_common.h 🕒 temperature.cpp 🗙	Ξ		
	✓ OPEN EDITORS	Marlin > src > module > 🕒 temperature.cop > 😚 Temperature::analog to celsius			
0	C Configuration h Marlin	1354 // Return degrees C (up to 999, as the LCD only displays 3 digits)			
2		1355 return _MIN(value + THERMISTOR_ABS_ZERO_C, 999);			
	C nins RTT SKR DRO common h Mad	1356 }			
ഉ	C pins_bit_ski_pico_continonat mata	1357 #endif			
0	× c temperature.cpp Manin\src(module				
Ň		1359 #IT MAS_NUTERU 1360 // Denived from PenPan EiveD extruder.getTempenature()			
æ^	> stepper	1361 // For hot = nd temperature measurement			
	> thermistor	1362 float Temperature::analog to celsius hotend(const int raw, const uint8 t e) {			
RP-	Configuration_store.cpp	1363 if (e > HOTENDS - DISABLED(TEMP_SENSOR_1_AS_REDUNDANT)) {			
	C configuration_store.h	1364 SERIAL_ERROR_START();			
	ۥ delta.cpp	1365 SERIAL_ECHO((int)e);			
The second secon	C delta.h	1366 SERIAL_ECHOLNPGM(STR_INVALID_EXTRUDER_NUM);			
	C+ endstops.cpp	1367 kill();			
5	C endstops.h	1368 return 0;			
	G motion.cpp	1309 }			
	C motion.h	1371 switch (e) {			
	🖙 planner.cpp	1372 case 0:			
	C planner.h	1373 #if ENABLED(HEATER_0_USER_THERMISTOR)			
	G planner_bezier.cpp	1374 return user_thermistor_to_deg_c(CTI_HOTEND_0, raw);			
	C planner_bezier.h				
	G printcounter.cpp	1376 return (
	C printcounter.h	1377 #if ENABLED(MAX6675_IS_MAX31865)			
	G probe.cpp	13/8 max31865.temperature(100, 430) // 100 onms = P1100 resistance. 400 onms = calibration resistor			
	C probe.h	1389 #else			
	C+ scara.cpp	1381 raw * 0.25			
	C scara.h	1382 #ondif			
	Gt servo.cop	1383			
	C servo h	1384 #elif ENABLED(HEATER_0_USES_AD595)			
	C speed lookuntable b	1385 return TEMP_AD595(raw);			
	G stepper con	1386 #elif ENABLED(HEATER_0_USES_AD8495)			
	 stehhertehh 	138/ return TEMP_AD8495(raw);			
	Ge temporature cop				
	C temperature.cpp				
	C teniperaturem	are/Enders/SKKV1.1-PKO/Mariin-2.0.0/Mariin/src/module/temperature.cpp			
	C tool_change.cpp				
	C tooi_change.n	1393 return user_thermistor_to_deg_c(CTI_HOTEND_1, raw);			
	✓ pins	1394 #elif ENABLED(HEATER_1_USES_MAX6675)			
0	2 esp32	1395 return raw * 0.25;			
^o	> linux	1390 #EIIT ENABLED(HEATEK_1_USES_AD595)			
075		1398 #elif ENABLED(HEATER 1 USES AD8495)			
563		1399 return TEMP AD8495(raw);			
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APPENDIX F - REFERENCE MATERIAL