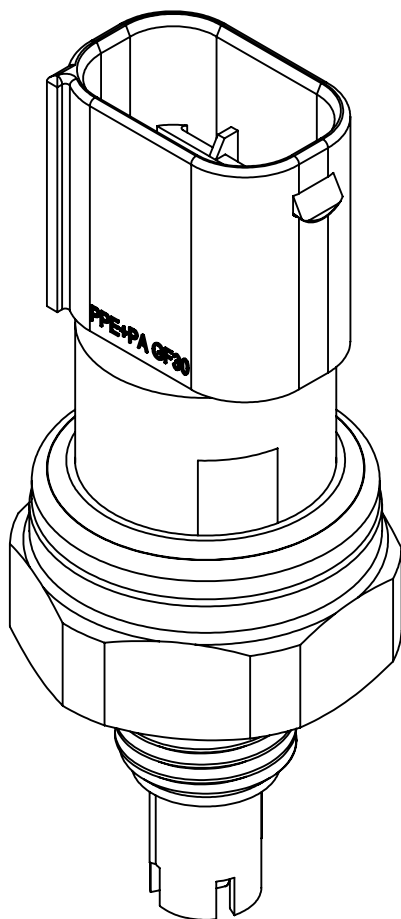
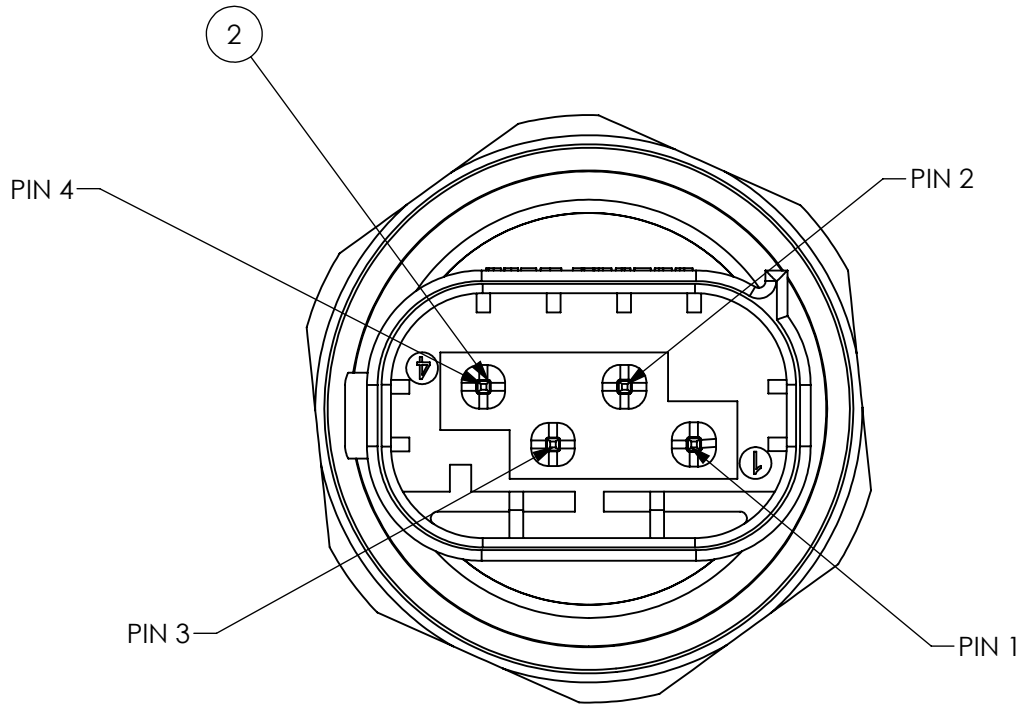
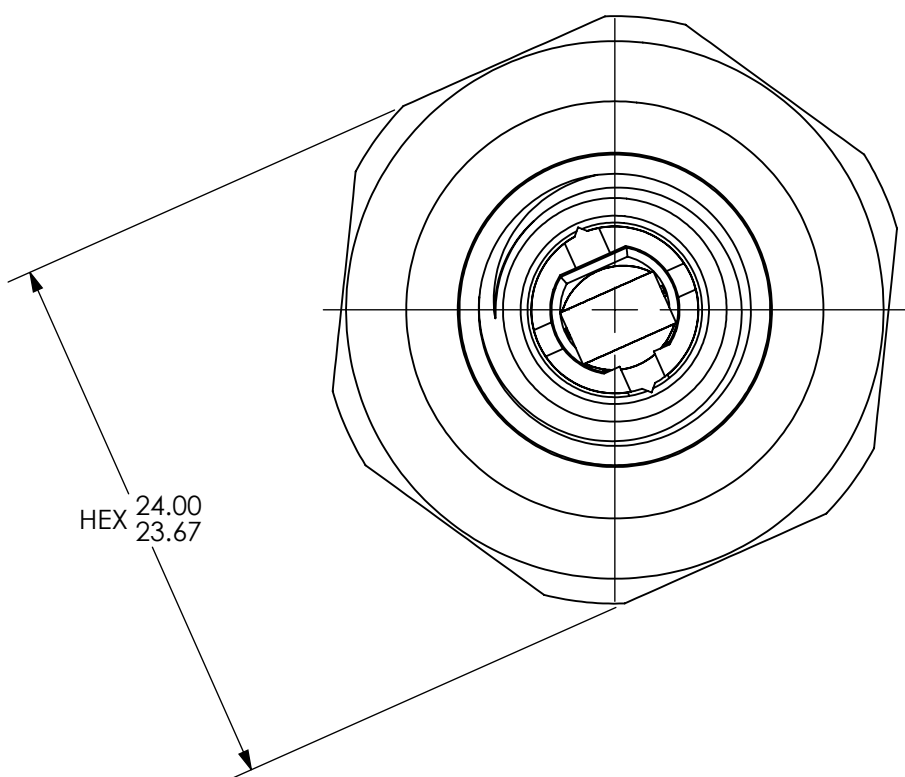
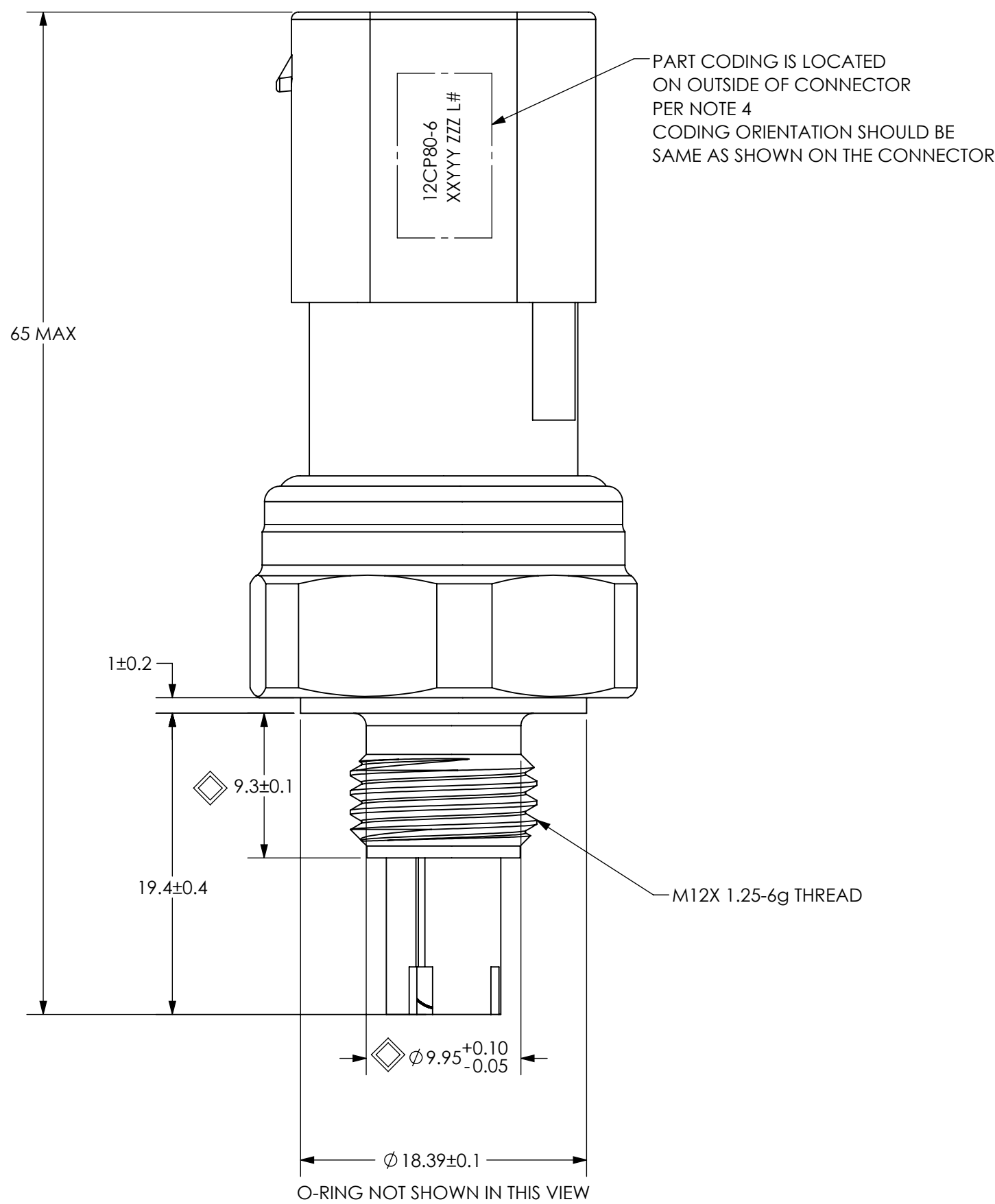


PIN TABLE	
PIN 1	GROUND
PIN 2	PRESSURE OUTPUT
PIN 3	THERMISTOR RESISTANCE OUTPUT
PIN 4	POWER



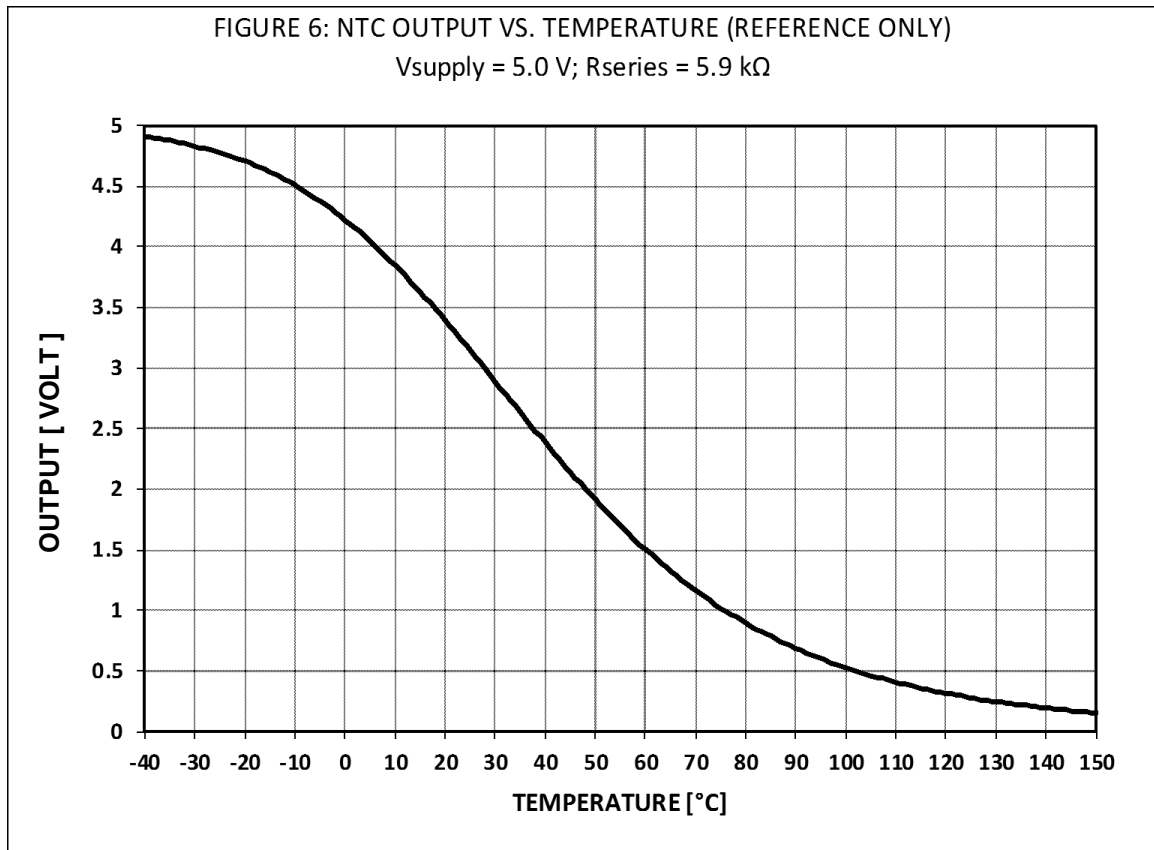
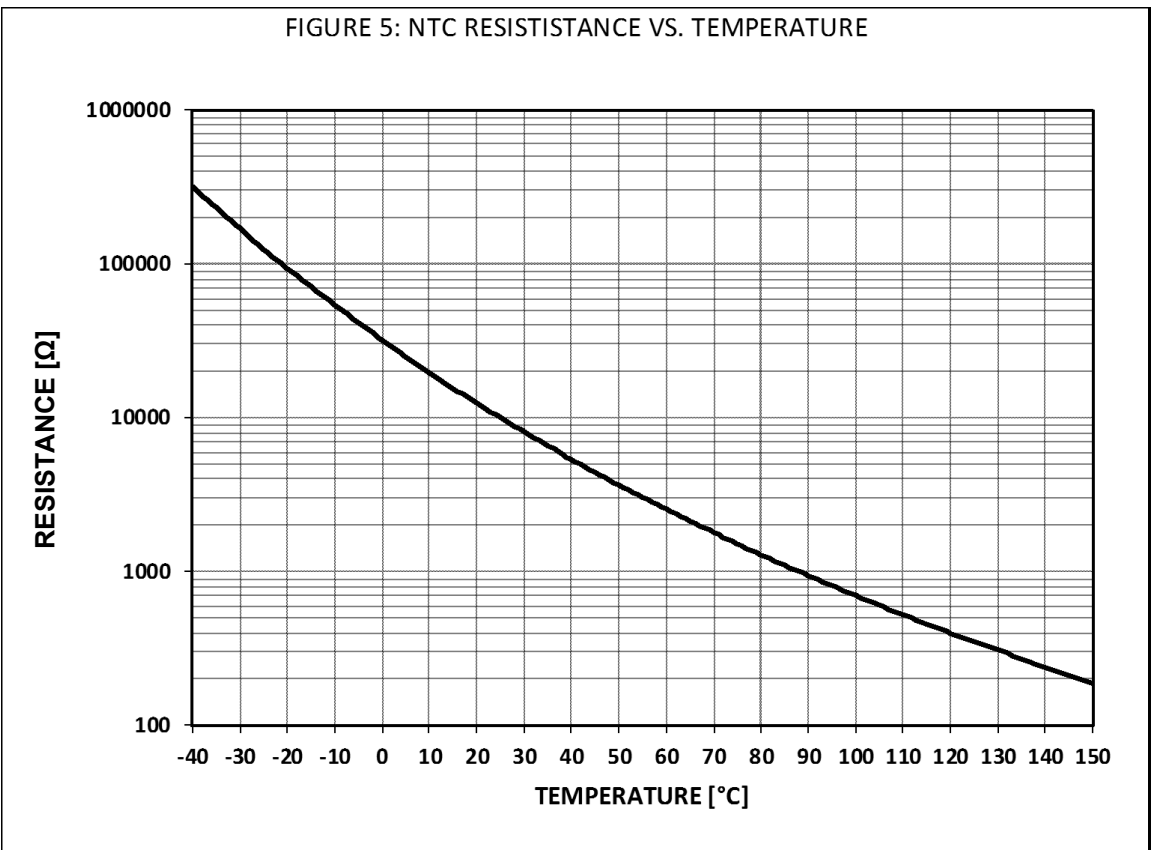
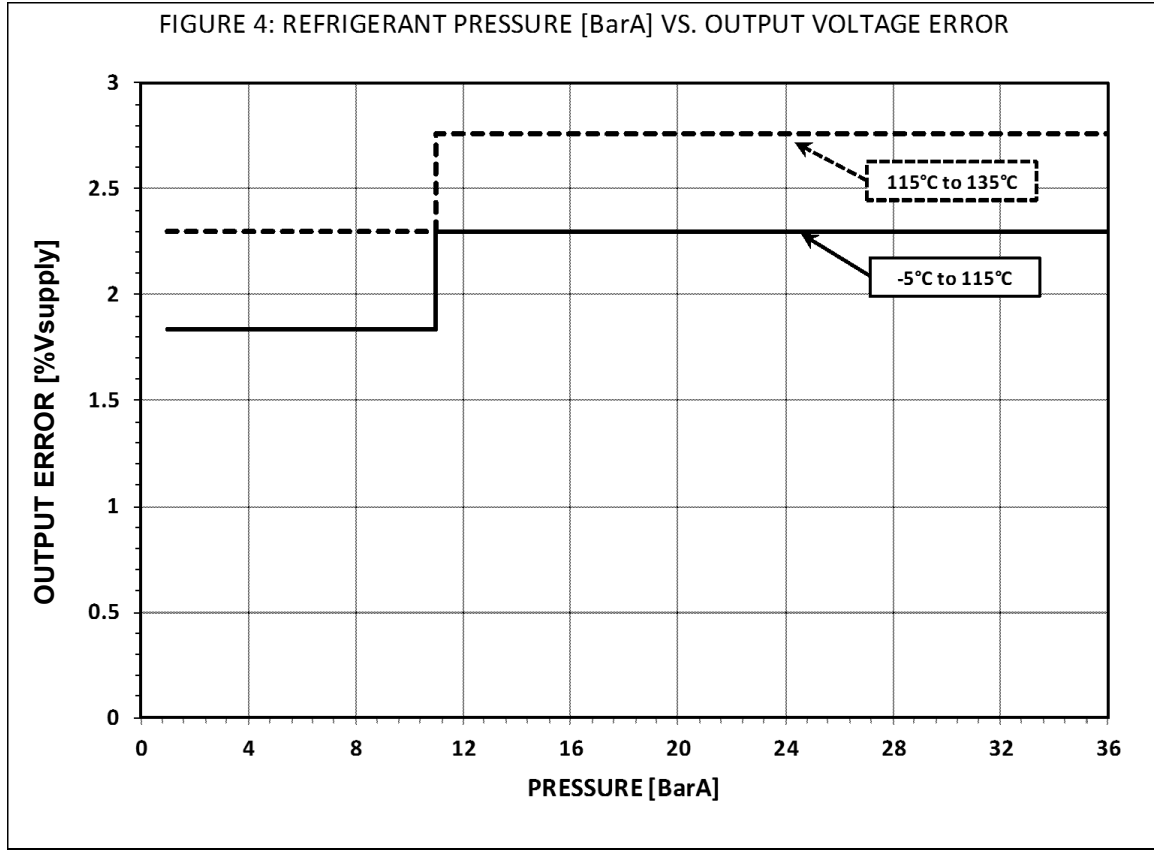
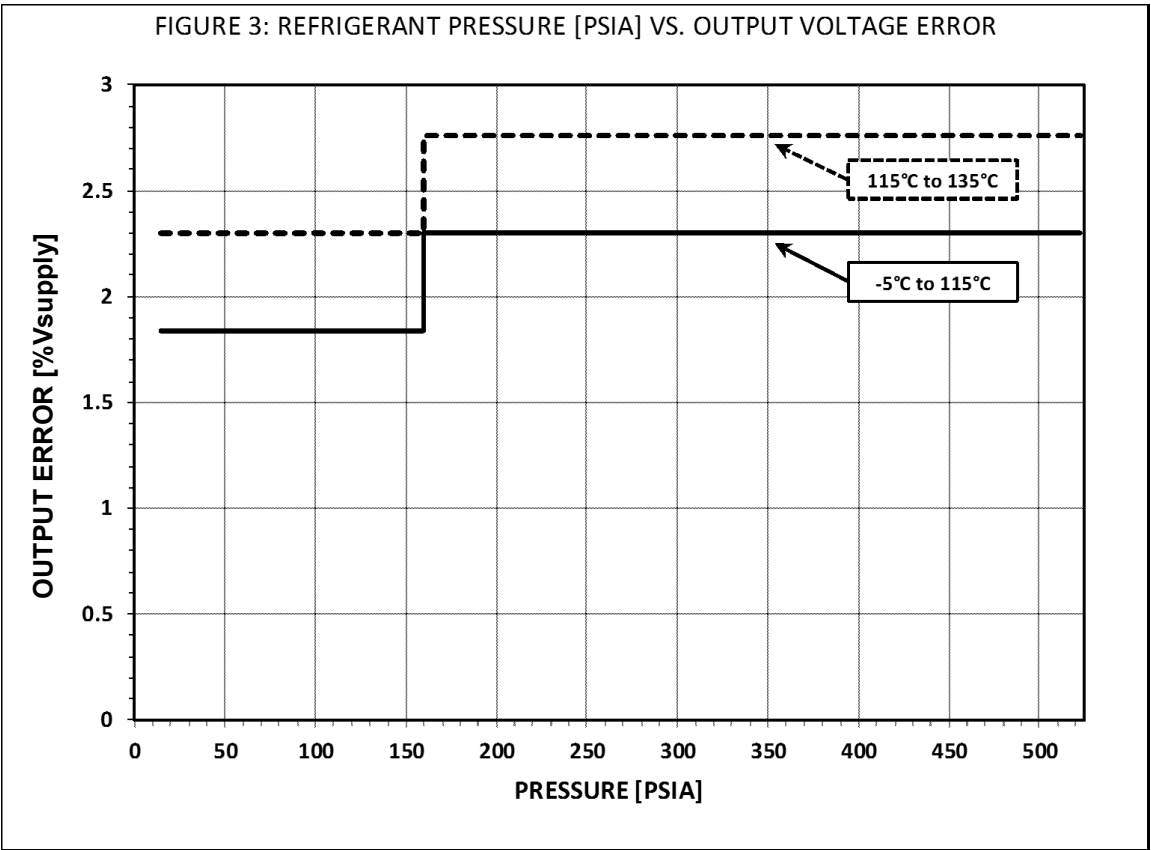
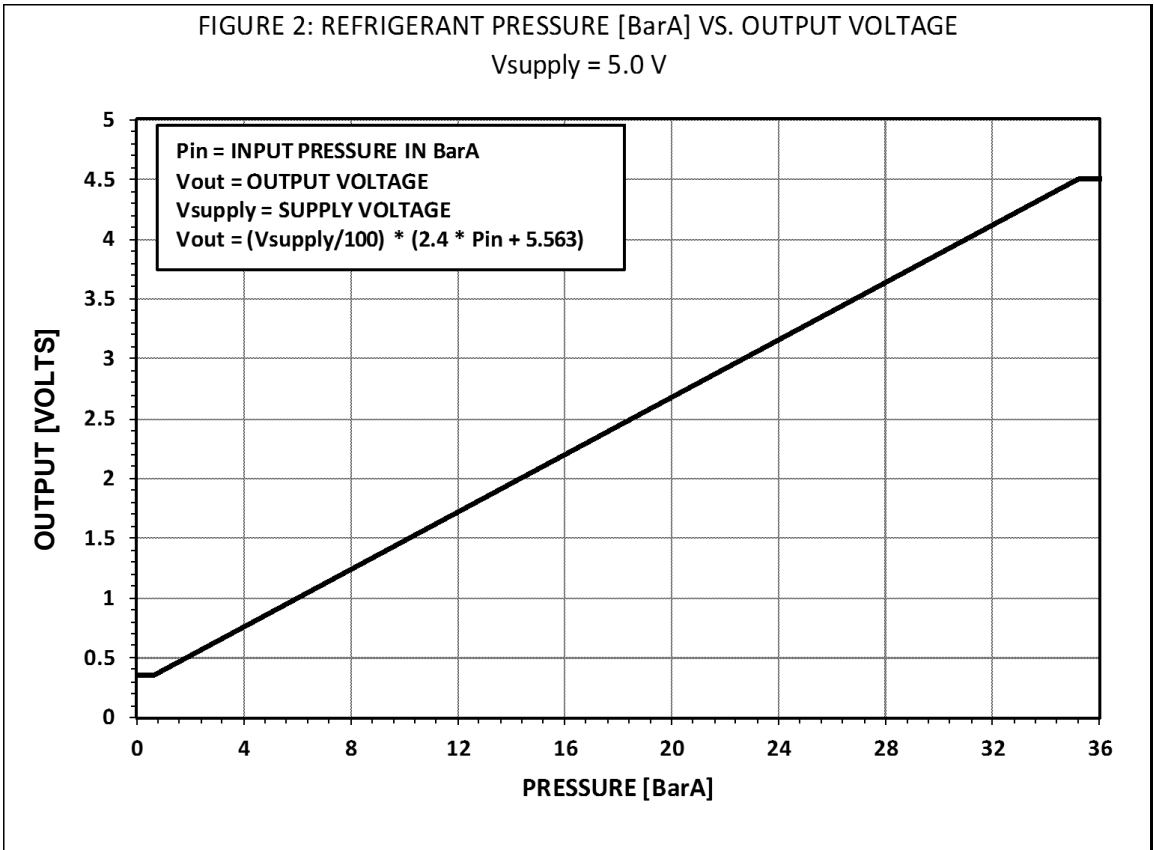
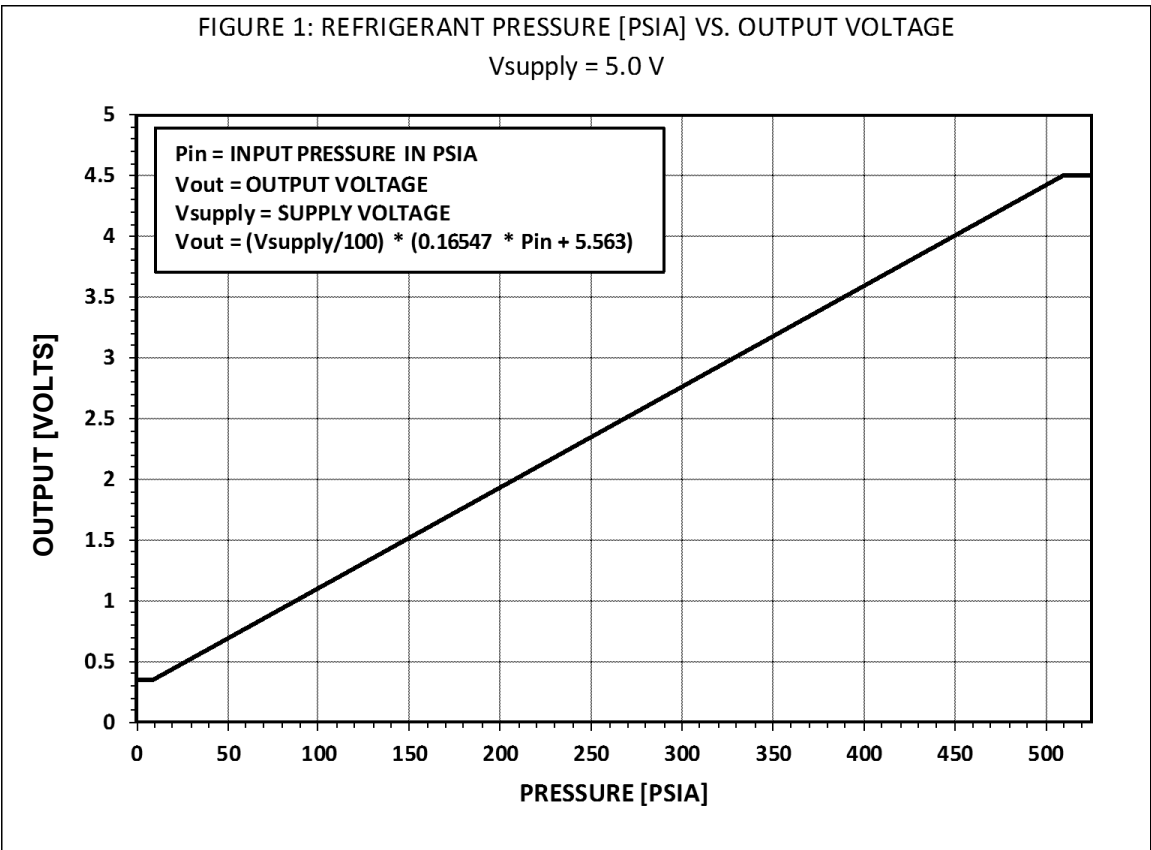
REFERENCE VIEW
SCALE 2:1



7	ENVIRONMENTAL SEAL	SILICONE RTV	
6	O-RING	HNBR	
5	THERMISTOR CAP	PPE+PA GF30	BLACK
4	THERMISTOR	NTC THERMISTOR	SEE FIGURE 5 AND TABLE 2
3	HEXPORT	AL 6061-T6511X	
2	BASE TERMINAL	CU ALLOY	
1	BASE CONNECTOR	PPE+PA GF30	BLACK
ITEM NO.	DESCRIPTION	MATERIAL	NOTES

TABLE 1: FUNCTIONAL REQUIREMENTS (SEE NOTE 6)					
FUNCTION	UNIT	MIN	NOM	MAX	
SUPPLY VOLTAGE	V	4.9	5	5.1	
SUPPLY CURRENT	mA	—	—	15	
OPERATING PRESSURE	PSIA	SEE FIGURE 1			
	BarA	SEE FIGURE 2			
PRESSURE ACCURACY	PSIA	SEE FIGURE 3			
	BarA	SEE FIGURE 4			
REFRIGERANT OPERATING TEMPERATURE	°C	-40	—	135	
AMBIENT OPERATING TEMPERATURE	°C	-40	—	100	
SHIPPING & STORAGE TEMPERATURE	°C	-50	—	135	
NTC THERMISTOR OUTPUT (REFERENCE ONLY)	V	SEE FIGURE 6			
PROOF PRESSURE	BarA	45	—	—	
	PSIA	652.7	—	—	
BURST PRESSURE	BarA	85	—	—	
	PSIA	1232.8	—	—	
OUTPUT LOAD: PRESSURE SIGNAL (PULL-UP)	KΩ	—	4.7	—	
OUTPUT LOAD: TEMPERATURE SIGNAL (PULL-UP)	KΩ	—	5.9	—	
SUGGESTED INSTALLATION TORQUE	Nm	6	—	8	
LOW OUTPUT SATURATION (Vsupply= 5V)	V	0.3	0.35	0.4	
HIGH OUTPUT SATURATION (Vsupply= 5V)	V	4.45	4.5	4.55	

TABLE 2: THERMISTOR RESISTANCE (SEE NOTE 6)			
T [°C]	Rnom [Ω]	Rmin [Ω]	Rmax [Ω]
-40	316181	301183	331179
-30	169149	162304	175994
-20	94143	90938	97349
-10	54308	52781	55836
0	32014	31290	32738
10	19691	19346	20036
20	12474	12315	12633
30	8080	7977	8182
40	5372	5282	5462
50	3661	3585	3737
60	2536	2474	2598
70	1794	1744	1844
80	1290	1250	1330
90	941.8	909.6	974
100	697.2	671.3	723.1
110	524.9	504	545.9
120	399.6	382.6	416.6
130	308.4	294.6	322.3
140	240.3	229	251.7
150	189	179.6	198.3



CHARACTERISTIC NAME	DRAWING SYMBOL	AIAQ APQP REFERENCE MANUAL, GLOBAL SUPPLIER QUALITY MANUAL (G-SM-01) QMS-1004255, APPENDIX A	INITIAL SHORT TERM Cpk	LONG TERM Ppk	FOR REFERENCE ONLY. CHECK LATEST REVISION BEFORE USE. PARTS MADE TO THIS PRINT MUST CONFORM TO E9898 REV. E.	SENsata Technologies	
ISO 26262 FUNCTIONAL SAFETY RELATED SPECIAL	+	A CHARACTERISTIC OF AN ITEM, ELEMENT OR PRODUCTION PROCESS FOR WHICH REASONABLY FORESEEABLE DEVIATION COULD AFFECT, CONTRIBUTE TO OR CAUSE ANY POTENTIAL REDUCTION OF FUNCTIONAL SAFETY.	≥ 1.67	MONITORING OF COMPLIANCE REQUIRED	DRAWN J. JUAN ALONSO DATE: 22-MAR-2019	529 PLEASANT STREET P.O. BOX 2964 ATTLEBORO, MA 02703	
CRITICAL	▽	CONTROL ITEM PRODUCTS HAVE CRITICAL CHARACTERISTICS THAT MAY AFFECT SAFE VEHICLE/PRODUCT OPERATION AND/OR COMPLIANCE WITH GOVERNMENT REGULATIONS. UNIQUE SYMBOLS IDENTIFYING SAFETY AND REGULATORY CHARACTERISTICS.	≥ 1.67	MONITORING OF COMPLIANCE REQUIRED	ENGINEER MATT MONTEIRO DATE: 22-MAR-2019	TITLE 12CP80-6 ENVELOPE DRAWING	
SIGNIFICANT	◇	SIGNIFICANT CHARACTERISTICS ARE THOSE PRODUCT PARAMETERS AND REQUIREMENTS THAT ARE IMPORTANT FOR CUSTOMER SATISFACTION (FORM, FIT AND FUNCTION) AND FOR WHICH QUALITY PLANNING ACTIONS MUST BE ADDRESSED ON A CONTROL PLAN.	≥ 1.67	MONITORING OF COMPLIANCE REQUIRED	APPROVED KEVIN HARPIN DATE: 22-MAR-2019	INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5-2009. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS.	
SPC	△	USED TO SPECIFY ONGOING SPC METHODOLOGIES TO BE PERFORMED.	≥ 1.67	≥ 1.33	APPROVED MATT BIRNIE DATE: 22-MAR-2019	TOLERANCES DECIMALS ANGLES	
STANDARD		NON-KEY CHARACTERISTIC - STANDARD DIMENSION VS. STANDARD (INCL. TOLERANCE)	FIRST ARTICLE INSPECTION OK FIRST PART	FIRST ARTICLE INSPECTION OK FIRST PART		DO NOT SCALE DRAWING THIRD ANGLE PROJECTION	
						SIZE A1	DWG NO. 12CP80-6
						SCALE 3:1	SHEET 1 OF 1