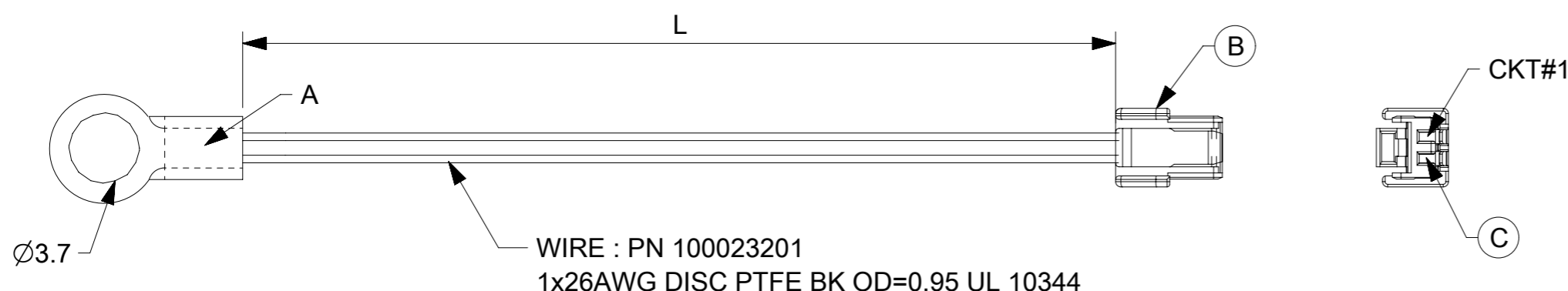


BILL OF MATERIALS:

ITEM	PN	DESCRIPTION	QTY	UOM
A	NTC PROBE (Refer Sheet 2)	NTC Thermistor Ring Terminal	1	PC
B	5055650201	1.25WTB SINGLE REC HSG 2CKT BLACK	1	PC
C	5054311000	1.25 ROBUST W/B CRIMP TERM.	2	PC

CIRCUIT ORIENTATION CHART:

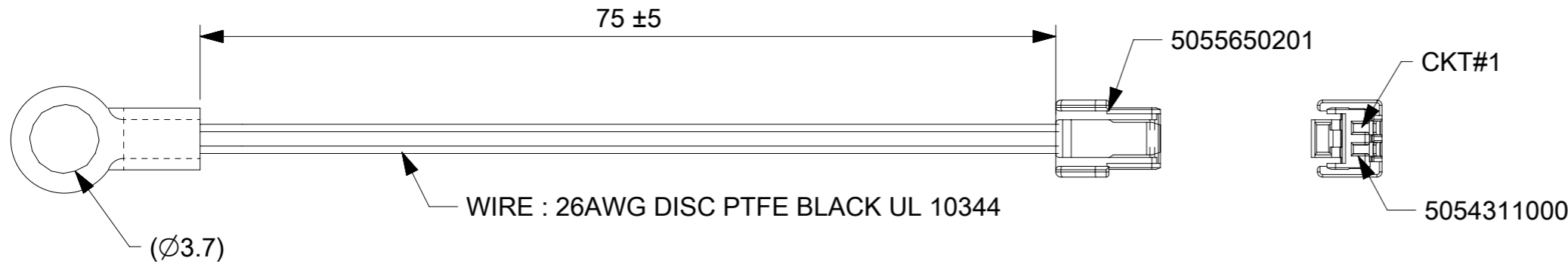
FROM	TO	WIRE P/N	DESCRIPTION	COLOR
A	B1	NTC PROBE (Refer Sheet 2)	NTC Thermistor Ring Terminal	BLACK
	B2			BLACK



NOTES:

1. RESISTANCE TO BE TESTED 100% AT 25°C ▽
2. RESISTANCE TOLERANCE @ 25°C : SEE CHART (SHEET 2).
3. B-VALUE(25/85°C) : SEE CHART (SHEET 2)
4. OPERATING TEMPERATURE RANGE : -40°C TO +105°C.
5. RING TERMINAL MOUNTING HOLE DIAMETER : 3.7MM.
6. TERMINAL MUST BE NICKEL PLATED COPPER.
7. VOLTAGE BREAKDOWN STRENGTH : MIN 1500VAC FOR 3SEC BETWEEN CONDUCTOR AND EYELET/RING LUG
8. RESPONCE TIME : APPROX 5 SECOND IN WATER
- 9.INSULATION RESISTANCE :MINIMUM OF 100MOHM @ 500VOLTS DC IN METALIC BALLS.

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex	
▽ = 0	mm	SCALE	NTS	EC NO: 658390			
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: RAVIKM		2021/03/17	PRODUCT CUSTOMER DRAWING	
▽ = 0	ANGULAR TOL ± °		CHK'D: RBBHASKAR		2021/03/17	DOCUMENT NUMBER	
▽ = 0	4 PLACES	±	APPR: RBBHASKAR		2021/03/17	2138601633	
▽ = 0	3 PLACES	±	INITIAL REVISION:		DOC TYPE		DOC PART
▽ = 0	2 PLACES	±	DRWN: MSHAJI01		2020/01/06	PSD	000
▽ = 0	1 PLACE	±	APPR: RBBHASKAR		2020/02/28	REVISION	
▽ = 0	0 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NUMBER		CUSTOMER
▽ = 0	THIRD ANGLE PROJECTION		DRAWING	SERIES	213860	GENERAL MARKET	SHEET NUMBER
▽ = 0	A3-SIZE		SEE SPEC TABLE		1 OF 2		



LASER MARKING DETAILS	
R25 X YR/WK	
B VALUE	CODE(X)
3982	MD

RESISTANCE VS TEMP CHARACTERISTICS:

Temp(°C)	R min (KΩ)	R nom (KΩ)	R max (KΩ)	Temp(°C)	R min (KΩ)	R nom (KΩ)	R max (KΩ)
-40	585.5	615.1	646.1	50	7.139	7.321	7.506
-35	426.9	447	468.1	55	5.906	6.068	6.233
-30	314.7	328.6	343	60	4.906	5.050	5.197
-25	234.5	244.1	254.1	65	4.091	4.219	4.349
-20	176.5	183.2	190.1	70	3.424	3.537	3.653
-15	133.9	138.6	143.5	75	2.876	2.976	3.079
-10	102.6	105.9	109.3	80	2.424	2.512	2.603
-5	79.220	81.570	83.960	85	2.056	2.135	2.216
0	61.700	63.360	65.060	90	1.750	1.820	1.892
5	48.440	49.620	50.830	95	1.495	1.557	1.621
10	38.300	39.150	40.000	100	1.281	1.337	1.394
15	30.490	31.100	31.700	105	1.102	1.151	1.202
20	24.430	24.860	25.290	110	0.950	0.994	1.039
25	19.700	20.000	20.300	115	0.821	0.861	0.901
30	15.910	16.180	16.460	120	0.712	0.747	0.784
35	12.920	13.170	13.420	125	0.619	0.651	0.684
40	10.550	10.770	11.000	130	0.526	0.555	0.584
45	8.656	8.860	9.067	135	0.433	0.459	0.484

NOTES:

- RESISTANCE TOLERANCE @ 25°C : 20KΩ±2%.
- B-VALUE(25/85°C) : 3982K±1%.
- OPERATING TEMPERATURE RANGE : -40°C TO +105°C.
- RING TERMINAL MOUNTING HOLE DIAMETER : 3.7MM.
- TERMINAL IS NICKEL PLATED COPPER.
- VOLTAGE BREAKDOWN STRENGTH : MIN 1500VAC FOR 3SEC BETWEEN CONDUCTOR AND EYELET/RING LUG
- RESPONCE TIME : APPROX 10 SECOND IN LIQUID MEDIUM
- INSULATION RESISTANCE :MINIMUM OF 100MOHM @ 500VOLTS DC IN METALIC BALLS.

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		molex
	▽/A = 0	mm	NTS		
▽/E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				NTC RING CABLE - 3982 M3.5, 75MM,20K, 2%
▽/V = 0	ANGULAR TOL ± °				
DIVISIONAL SYMBOLS	4 PLACES ±	EC NO: 657688		2021/03/09	PRODUCT CUSTOMER DRAWING
	3 PLACES ±	DRWN: RAVIKM		2021/03/17	
	2 PLACES ±	CHK'D: RBBHASKAR		2021/03/17	
	1 PLACE ±	APPR: RBBHASKAR			
	0 PLACES ±	INITIAL REVISION:			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	DOCUMENT NUMBER
			A3-SIZE	213865	2138652833
					DOC TYPE
					PSD
					DOC PART
					000
					REVISION
					A
					SHEET NUMBER
					1 OF 1