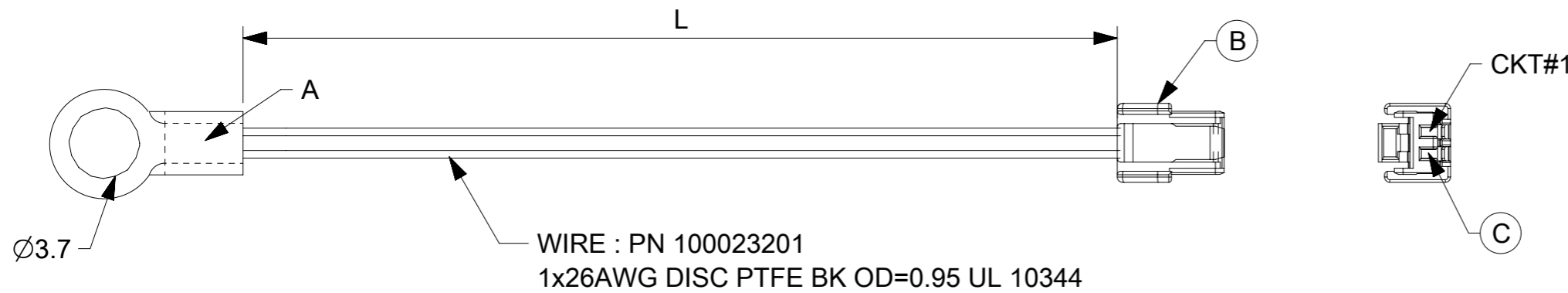


BILL OF MATERIALS:

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:

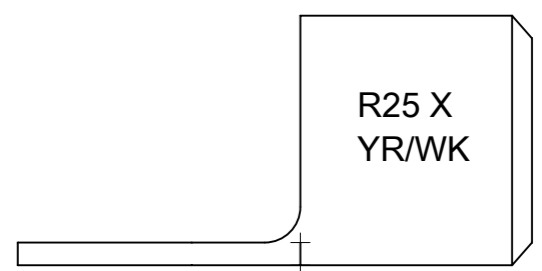
1. RESISTANCE TO BE TESTED 100% AT 25°C ▽
2. RESISTANCE TOLERANCE @ 25°C : SEE CHART (SHEET 2).
3. B-VALUE(25/85°C) : SEE CHART (SHEET 2)
4. OPERATING TEMPERATURE RANGE : -40°C TO +105°C.
5. RING TERMINAL MOUNTING HOLE DIAMETER : 3.7MM.
6. TERMINAL MUST BE NICKEL PLATED COPPER.
7. VOLTAGE BREAKDOWN STRENGTH : 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 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SCALE	CURRENT REV DESC:				
	mm	NTS	EC NO: 658390 DRWN: RAVIKM 2021/03/17 CHK'D: RBBHASKAR 2021/03/17 APPR: RBBHASKAR 2021/03/17				
	GENERAL TOLERANCES (UNLESS SPECIFIED)		INITIAL REVISION: DRWN: MSHAJI01 2020/01/06 APPR: RBBHASKAR 2020/02/28				
	ANGULAR TOL ± °		PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: 2138601633 DOC TYPE: PSD DOC PART: 000 REVISION: A4				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			A3-SIZE	213860	SEE SPEC TABLE	GENERAL MARKET	1 OF 2

SPECIFICATION:

PART NO	NTC PROBE PN	RESISTANCE AT 25°C (KΩ)	RESISTANCE TOLERANCE (±%)	B VALUE (25/85°C)	B VALUE TOLERANCE (±%)	WIRE LENGTH (L)MM
2138601633	369040876	10K	1	3500	1	75mm
2138602633	369040877	10K	2	3500	1	75mm
2138601635	369040878	10K	1	3500	1	150mm
2138602635	369040879	10K	2	3500	1	150mm
2138601637	369040880	10K	1	3500	1	300mm
2138602637	369040881	10K	2	3500	1	300mm
2138621633	369040882	10K	1	3800	1	75mm
2138622633	369040883	10K	2	3800	1	75mm
2138621635	369040884	10K	1	3800	1	150mm
2138622635	369040885	10K	2	3800	1	150mm
2138621637	369040886	10K	1	3800	1	300mm
2138622637	369040887	10K	2	3800	1	300mm
2138641633	369040888	10K	1	3964	1	75mm
2138642633	369040889	10K	2	3964	1	75mm
2138641635	369040890	10K	1	3964	1	150mm
2138642635	369040891	10K	2	3964	1	150mm
2138641637	369040892	10K	1	3964	1	300mm
2138642637	369040893	10K	2	3964	1	300mm
2138652133	369040894	1K	2	3982	1	75mm
2138652233	369040895	2.25K	2	3982	1	75mm
2138652333	369040896	3K	2	3982	1	75mm
2138652433	369050072	4.7K	2	3982	1	75mm
2138652533	369050073	5K	2	3982	1	75mm
2138651633	369050074	10K	1	3982	2	75mm
2138652633	369050075	10K	2	3982	2	75mm
2138652733	369050076	12K	2	3982	1	75mm
2138652833	369050077	20K	2	3982	1	75mm
2138652933	369050078	30K	2	3982	1	75mm
2138651635	369050079	10K	1	3982	2	150mm
2138652635	369050080	10K	2	3982	2	150mm
2138651637	369050081	10K	1	3982	2	300mm
2138652637	369050082	10K	2	3982	2	300mm
2138652033	369050083	100K	2	4000	2	75mm
2138692933	369040909	47K	2	4050	1	75mm
2138692033	369040910	50K	2	4050	1	75mm

LASER MARKING DETAILS

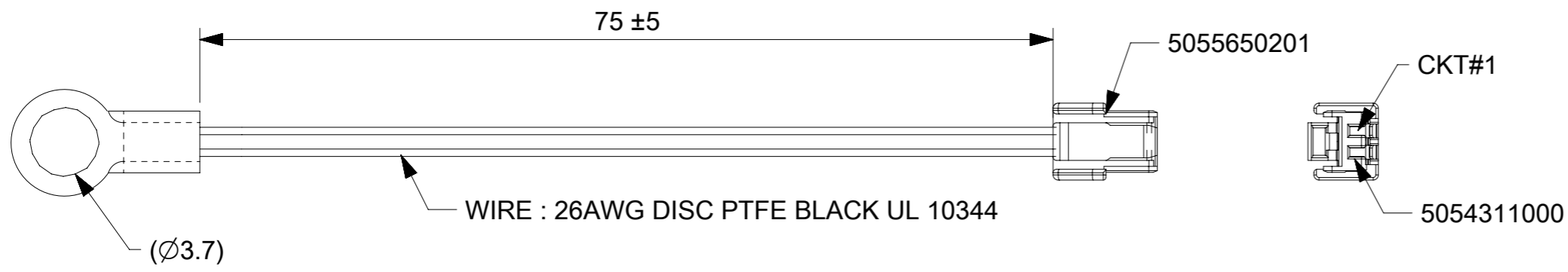


B VALUE	CODE(X)
3500	MA
3800	MB
3964	MC
3982	MD
4050	ME
4000	MH

Finished Length Tolerance

LENGTH	TOLERANCE(MM)
0-75	±5
76-300	±10

SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DIMENSION UNITS: mm SCALE: NTS		CURRENT REV DESC:			
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 658390 DRWN: RAVIKM 2021/03/17 CHK'D: RBBHASKAR 2021/03/17 APPR: RBBHASKAR 2021/03/17		NTC THERMISTOR ASSEMBLY WITH MICRO LOCK			
	ANGULAR TOL ± °		INITIAL REVISION:		PRODUCT CUSTOMER DRAWING		DOCUMENT NUMBER: 2138601633 DOC TYPE: PSD DOC PART: 000 REVISION: A4	
	4 PLACES ±		DRWN: MSHAJI01 2020/01/06 APPR: RBBHASKAR 2020/02/28		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	
	3 PLACES ±		DRAWING: A3-SIZE SERIES: 213860		MATERIAL NUMBER: SEE SPEC TABLE CUSTOMER: GENERAL MARKET		SHEET NUMBER: 2 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	136.50	143.40	150.70	50	1.646	1.689	1.732
-35	101.20	105.90	110.90	55	1.362	1.400	1.438
-30	75.560	78.900	82.380	60	1.133	1.166	1.200
-25	56.860	59.210	61.640	65	0.946	0.976	1.006
-20	43.100	44.760	46.460	70	0.794	0.821	0.848
-15	32.670	33.830	35.020	75	0.670	0.693	0.717
-10	24.970	25.780	26.620	80	0.567	0.588	0.609
-5	19.230	19.800	20.390	85	0.483	0.502	0.521
0	14.920	15.330	15.740	90	0.413	0.430	0.447
5	11.640	11.920	12.220	95	0.355	0.369	0.385
10	9.144	9.348	9.553	100	0.306	0.319	0.333
15	7.239	7.382	7.527	105	0.265	0.276	0.288
20	5.770	5.871	5.972	110	0.230	0.240	0.251
25	4.630	4.700	4.771	115	0.200	0.209	0.219
30	3.722	3.786	3.852	120	0.175	0.183	0.192
35	3.010	3.069	3.128	125	0.153	0.161	0.169
40	2.448	2.501	2.555	130	0.131	0.139	0.146
45	2.002	2.050	2.098	135	0.109	0.117	0.123

NOTES:

1. RESISTANCE TOLERANCE @ 25°C : 4.7KΩ±2%.
3. B-VALUE(25/85°C) : 3982K±1%.
4. OPERATING TEMPERATURE RANGE : -40°C TO +105°C.
5. RING TERMINAL MOUNTING HOLE DIAMETER : 3.7MM.
6. TERMINAL IS NICKEL PLATED COPPER.
7. VOLTAGE BREAKDOWN STRENGTH : MIN 1500VAC FOR 3SEC BETWEEN CONDUCTOR AND EYELET/RING LUG
8. RESPONCE TIME : APPROX 10 SECOND IN LIQUID MEDIUM
- 9.INSULATION RESISTANCE :MINIMUM OF 100MOHM @ 500VOLTS DC IN METALIC BALLS.

FUNCTIONAL SYMBOLS ▽A = 0 ▽E = 0 ▽V = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC:		molex					
	DIMENSION UNITS: mm	SCALE: NTS	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 657688	2021/03/09	
DIVISIONAL SYMBOLS	ANGULAR TOL ± °	4 PLACES ±	3 PLACES ±	DRWN: RAVIKM	2021/03/17				
	2 PLACES ±	1 PLACE ±	0 PLACES ±	CHK'D: RBBHASKAR	2021/03/17				
	INITIAL REVISION:		DRWN: RAVIKM	2021/03/09	PRODUCT CUSTOMER DRAWING				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING: A3-SIZE	SERIES: 213865	DOCUMENT NUMBER: 2138652433			
				MATERIAL NUMBER: 2138652433	CUSTOMER: OTS	DOC TYPE: PSD	DOC PART: 000	REVISION: A	SHEET NUMBER: 1 OF 1