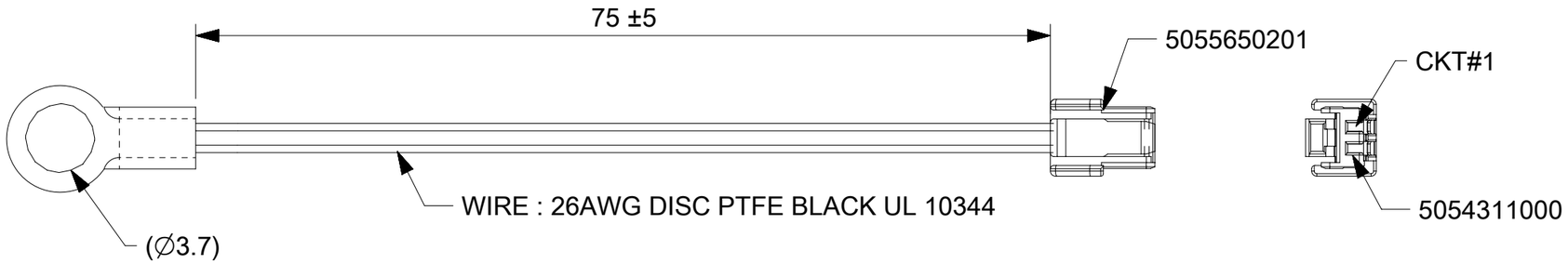
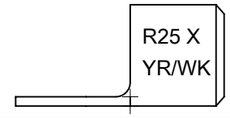


LASER MARKING DETAILS



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	878.2	922.6	969.1	50	10.71	10.98	11.26
-35	640.3	670.5	702.1	55	8.86	9.102	9.35
-30	472.1	492.9	514.5	60	7.36	7.575	7.795
-25	351.8	366.2	381.1	65	6.137	6.328	6.524
-20	264.8	274.8	285.2	70	5.136	5.306	5.479
-15	200.9	207.9	215.2	75	4.314	4.464	4.618
-10	153.8	158.8	163.9	80	3.636	3.768	3.905
-5	118.8	122.3	125.9	85	3.084	3.202	3.323
0	92.54	95.04	97.59	90	2.626	2.73	2.838
5	72.66	74.44	76.24	95	2.243	2.336	2.432
10	57.45	58.72	60	100	1.922	2.005	2.091
15	45.74	46.64	47.55	105	1.652	1.726	1.803
20	36.65	37.29	37.93	110	1.425	1.491	1.559
25	29.55	30	30.45	115	1.232	1.291	1.352
30	23.86	24.28	24.69	120	1.069	1.121	1.176
35	19.38	19.76	20.14	125	0.929	0.976	1.025
40	15.82	16.16	16.51	130	0.789	0.831	0.874
45	12.98	13.29	13.6	135	0.649	0.686	0.723

NOTES:

1. RESISTANCE TOLERANCE @ 25°C : 30KΩ±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.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FP = 0

DIVISIONAL SYMBOLS

DIMENSION UNITS: mm | SCALE: NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± °
4 PLACES	±
3 PLACES	±
2 PLACES	±
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 657688
DRWN: RAVIKM 2021/03/09
CHK'D: RBBHASKAR 2021/03/17
APPR: RBBHASKAR 2021/03/17

INITIAL REVISION:
DRWN: RAVIKM 2021/03/09
APPR: RBBHASKAR 2021/03/17

molex

NTC RING CABLE - 3982 M3.5, 75MM,30K, 2%

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2138652933	PSD	000	A

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	213865	2138652933	OTS	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2021/03/17 06:57:10

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REVISION: J
DATE: 2020/01/14