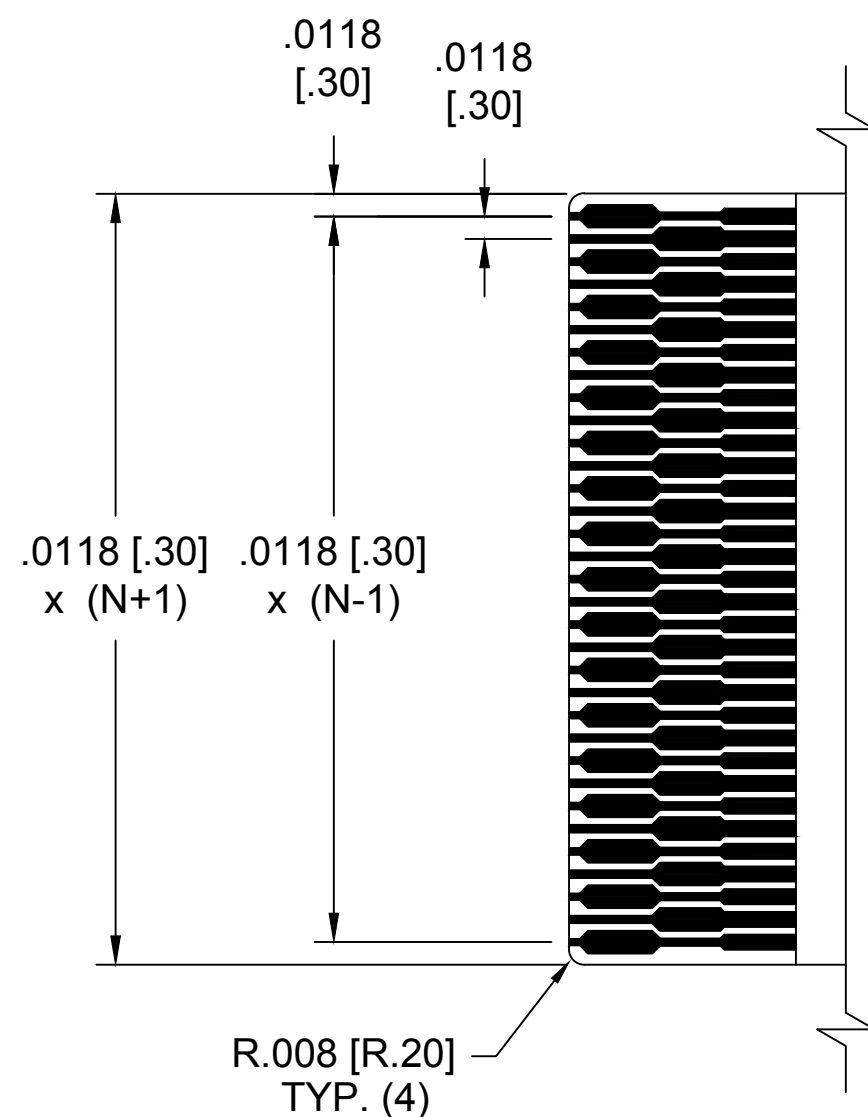


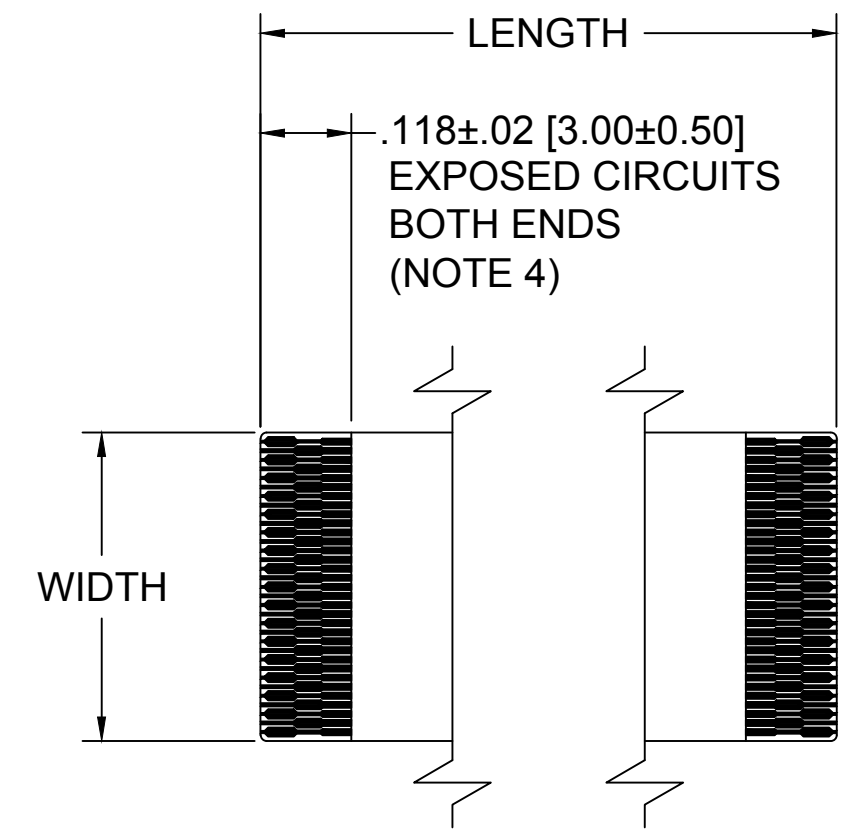
	13	12	11	10	9	8	7	6	5	4	3	2	1
	PART NO.	CIRCUITS	LENGTH ±.01 [.25]	WIDTH ±.004 [.10]									
J	150150223	23	2.00 [50.8]	.283 [7.2]									
	150150423	23	4.00 [101.6]	.283 [7.2]									
	150150623	23	6.00 [152.4]	.283 [7.2]									
	150150823	23	8.00 [203.2]	.283 [7.2]									
	150151023	23	10.00 [254.0]	.283 [7.2]									
I	150150225	25	2.00 [50.8]	.307 [7.8]									
	150150425	25	4.00 [101.6]	.307 [7.8]									
	150150625	25	6.00 [152.4]	.307 [7.8]									
	150150825	25	8.00 [203.2]	.307 [7.8]									
	150151025	25	10.00 [254.0]	.307 [7.8]									
	150150227	27	2.00 [50.8]	.331 [8.4]									
H	150150427	27	4.00 [101.6]	.331 [8.4]									
	150150627	27	6.00 [152.4]	.331 [8.4]									
	150150827	27	8.00 [203.2]	.331 [8.4]									
	150151027	27	10.00 [254.0]	.331 [8.4]									
	150150229	29	2.00 [50.8]	.354 [9.0]									
G	150150429	29	4.00 [101.6]	.354 [9.0]									
	150150629	29	6.00 [152.4]	.354 [9.0]									
	150150829	29	8.00 [203.2]	.354 [9.0]									
	150151029	29	10.00 [254.0]	.354 [9.0]									
	150150233	33	2.00 [50.8]	.403 [10.2]									
F	150150433	33	4.00 [101.6]	.403 [10.2]									
	150150633	33	6.00 [152.4]	.403 [10.2]									
	150150833	33	8.00 [203.2]	.403 [10.2]									
	150151033	33	10.00 [254.0]	.403 [10.2]									
	150150239	39	2.00 [50.8]	.472 [12.0]									
E	150150439	39	4.00 [101.6]	.472 [12.0]									
	150150639	39	6.00 [152.4]	.472 [12.0]									
	150150839	39	8.00 [203.2]	.472 [12.0]									
	150151039	39	10.00 [254.0]	.472 [12.0]									
	150150245	45	2.00 [50.8]	.543 [13.8]									
D	150150445	45	4.00 [101.6]	.543 [13.8]									
	150150645	45	6.00 [152.4]	.543 [13.8]									
	150150845	45	8.00 [203.2]	.543 [13.8]									
	150151045	45	10.00 [254.0]	.543 [13.8]									
	150150251	51	2.00 [50.8]	.614 [15.6]									
C	150150451	51	4.00 [101.6]	.614 [15.6]									
	150150651	51	6.00 [152.4]	.614 [15.6]									
	150150851	51	8.00 [203.2]	.614 [15.6]									
	150151051	51	10.00 [254.0]	.614 [15.6]									

- NOTES:**
1. SUBSTRATE AND COVERLAY MATERIAL IS .001 [25µM] POLYIMIDE.
  2. CONDUCTOR IS 1/2 OZ (.0007) [18µM] COPPER.
  3. PLATING IS 2 MICRO INCHES MINIMUM OF HARD GOLD OVER 100 MICRO INCHES MINIMUM OF NICKEL.
  4. TAIL ENDS ARE .008 [.20] THICK.
  5. JUMPER CABLES ARE SUITABLE FOR USE WITH MOLEX 502598 SERIES CONNECTOR.

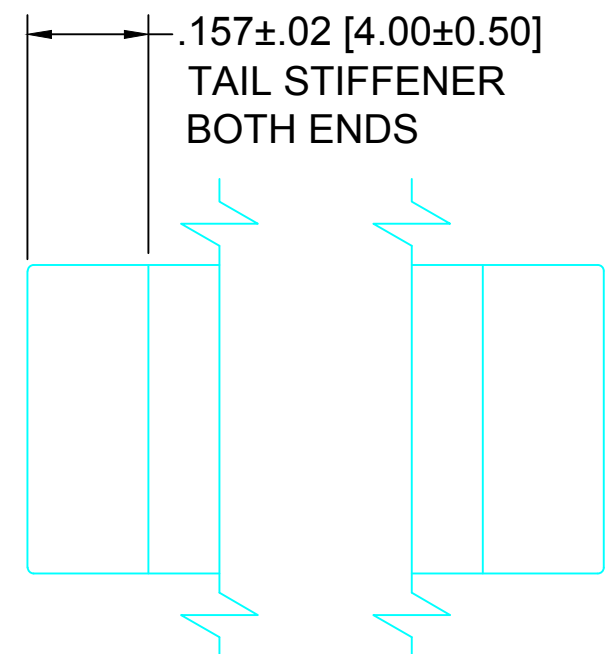


N = NUMBER OF CONDUCTORS

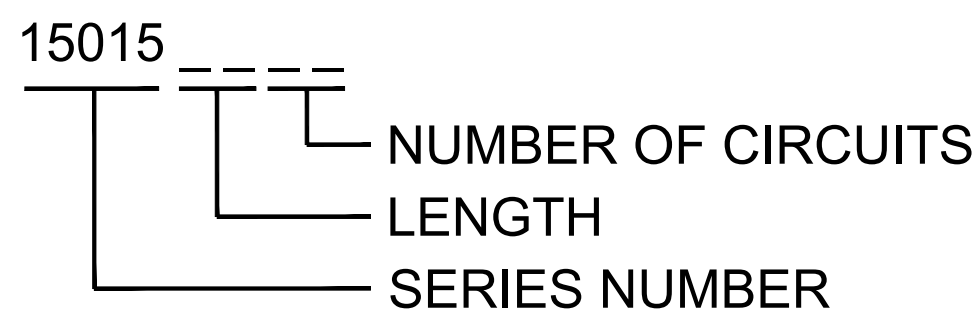
JUMPER END DETAIL  
33 CIRCUIT SHOWN



FRONT

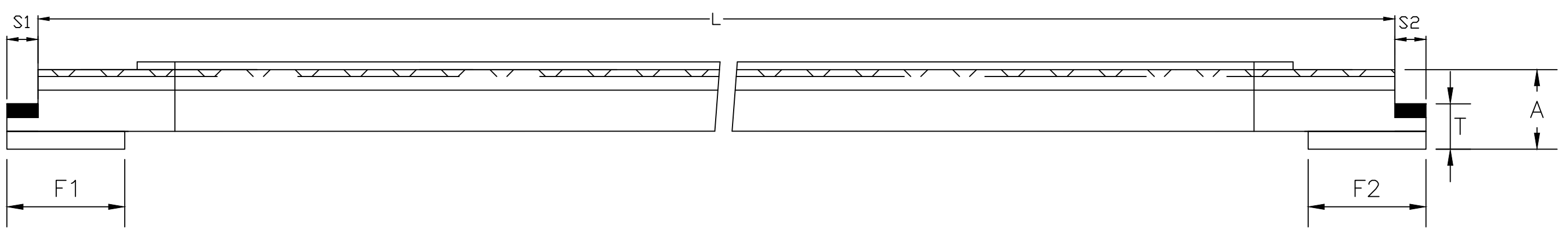


REAR



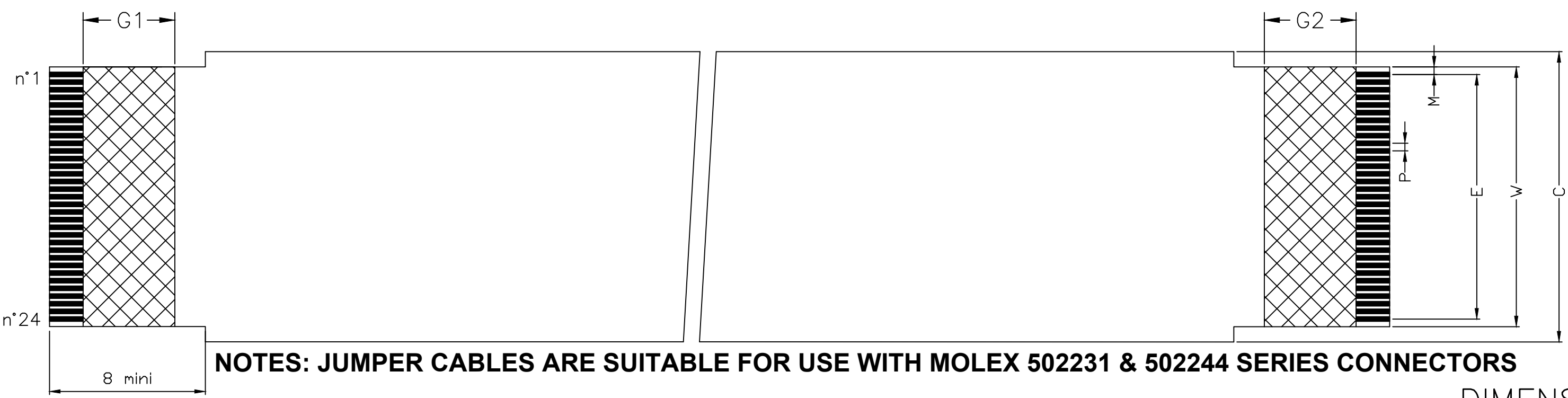
PART NUMBER CONSTRUCTION

UPDATED NOTE 5 EC NO.: USW2013-0117 DRWN: MFI 2013/01/23 B	QUALITY SYMBOL	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE INCH [MM]		SCALE NONE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	▽=0	4 PLACES	mm ±---	INCH ±---	DRAWN BY R PYTER	DATE 2011/09/28	TITLE .3MM PITCH JUMPER CABLES		
	∇=0	3 PLACES	±---	±.010	CHECKED BY	DATE			
		2 PLACES	±---	±.030	APPROVED BY SFULTON	DATE 2011/11/15	Molex MOLEX INCORPORATED		
		1 PLACE	±---	±---	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-15015-001	SHEET NO. 1 OF 1	
		ANGULAR ±1°		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							



PART NO.	CKTS	LENGTH
15021-0224	24	2"
15021-0424	24	4"
15021-0624	24	6"
15021-0824	24	8"
15021-1024	24	10"
15021-1224	24	12"
15021-2424	24	24"

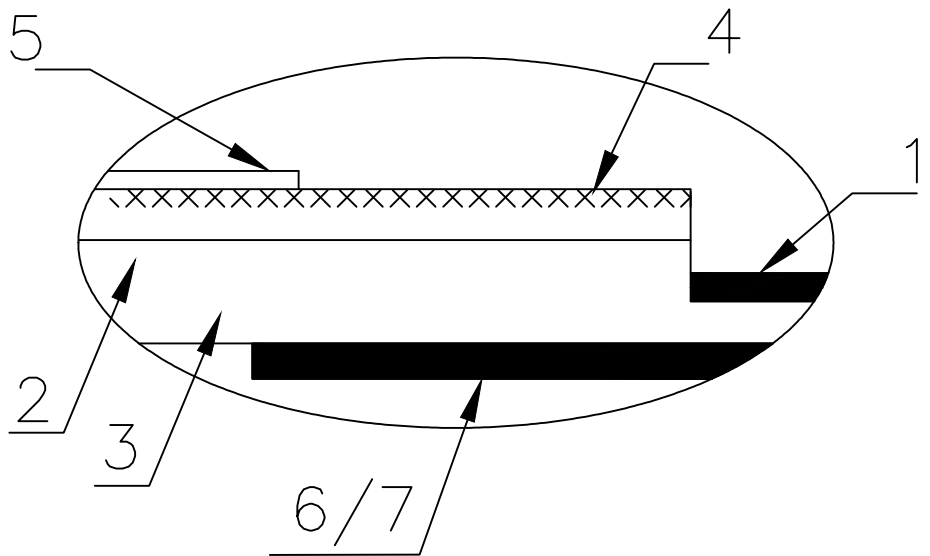
Grounding area



**NOTES: JUMPER CABLES ARE SUITABLE FOR USE WITH MOLEX 502231 & 502244 SERIES CONNECTORS**

**COMPOSITION:**

Item	COMPONENTS	UNITS	SPECIFICATIONS
1	Conductor	Material	Gold plated contacts (0.3µm Ni/0.05µm Au min)
		Width	mm 0.23 mm nominal
		Thickness	mm 0.055 mm nominal
2	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	mm 0.100 mm nominal
3	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	mm 0.100 mm nominal
4	Aluminum tape	Material	Polyester/Aluminium/Adhesive
		Thickness	mm 0.119 mm nominal
5	Insulation tape	Material	Polyester + FR adhesive insulation
		Thickness	mm 0.043 mm nominal
6,7	Reinforcement Tape	Material	Blue Polyester
		Thickness	mm 0.155 mm nominal



**DIMENSIONS**

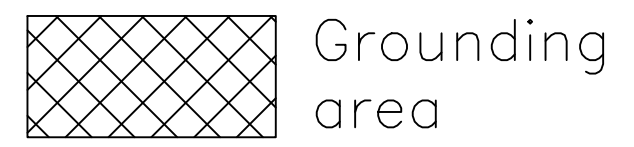
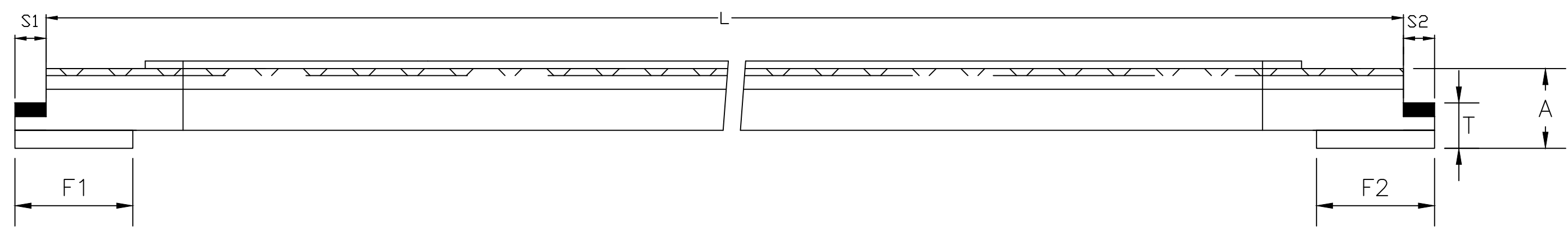
ITEMS	REP.	NOMINAL
Number of conductors		24(=28-4)
Pitch	P	0.50 ± 0.05
Span	E	11.50 ± 0.05
Width	W	12.50 ± 0.07
Total end Width	C	14.50 ± 0.15
Margin	M	0.50 ± 0.08
Strip length	S1/S2	2.2 ± 0.5
Grounding length	G1/G2	6 ± 2
End thickness	T	0.30 ± 0.05
Reinforcement length	F1/F2	7.0 ± 1.5
Thickness grounding area	A	0.50 ± 0.05

**CHARACTERISTICS**

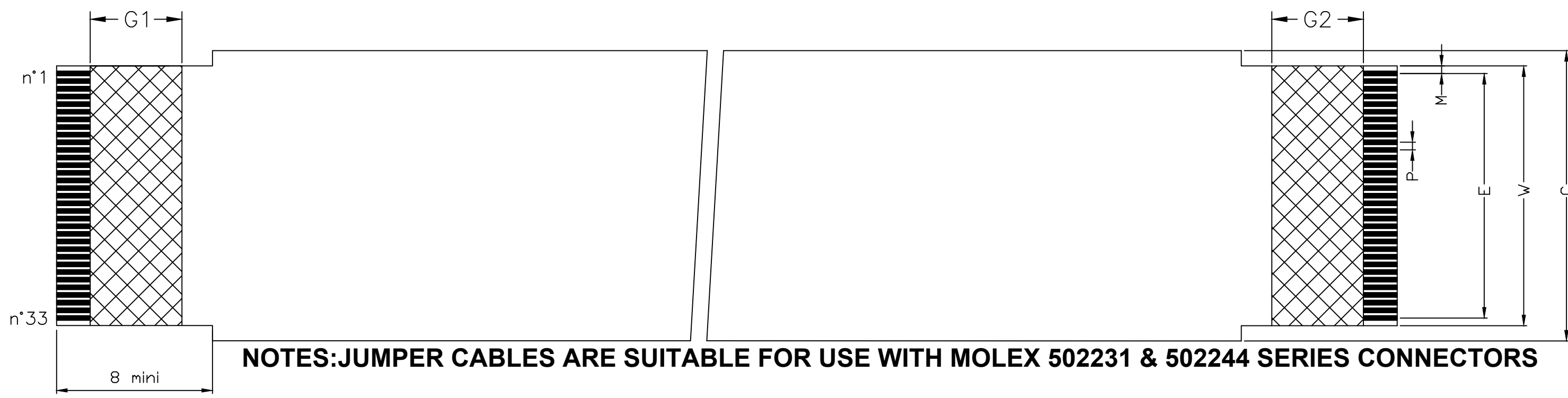
ITEMS	VALUE	TEST METHOD
Resistance of conductor at 20°C	1950 Ohm/km maxi	-
Insulation resistance (Conductor to conductor)	10 MOhm.m mini	200 V DC
Dielectric test (Conductor to conductor)	1 minute	200 V AC
Temperature rating	-40°C to 80°C	UL2896
Voltage rating	30 V AC maxi	
Flame resistance	VW-1	UL758
Differential impedance	100 Ω ± 10 Ω	-
Speed L:2"-10"	5-10 Gigabits/sec	-
Speed L:12"-24"	2-5 Gigabits/sec	-

DIMENSIONAL TOLERANCES		DIMENSIONAL TOLERANCES	
45 mm TO 60 mm	±2 mm	1.772 TO 2.400	±0.079
61 mm TO 100 mm	±3 mm	2.401 TO 3.975	±0.119
101 mm TO 200 mm	±4 mm	3.946 TO 7.912	±0.157
201 mm TO 1500 mm	±5 mm	7.913 TO 59.055	±0.197

INITIAL RELEASE EC NO: USW2016-0198 DRWN: MD 2016/02/24 A	DESCRIPTION REV	QUALITY SYMBOL ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±--- ANGULAR ±1°	DIMENSION STYLE INCH [MM] DRAWN BY DATE MDIGGIKA 2016/02/25 CHECKED BY DATE --- APPROVED BY DATE ---	SCALE NONE DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE LVDS CKTS 24	MATERIAL NO. SEE CHART SIZE C	DOCUMENT NO. SD-15021-024 SHEET NO. 1 OF 1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
--	--------------------	-------------------------------	--	---	---	--------------------------	--	---	---



PART NO.	CKTS	LENGTH
15021-0233	33	2"
15021-0433	33	4"
15021-0633	33	6"
15021-0833	33	8"
15021-1033	33	10"
15021-1233	33	12"
15021-2433	33	24"



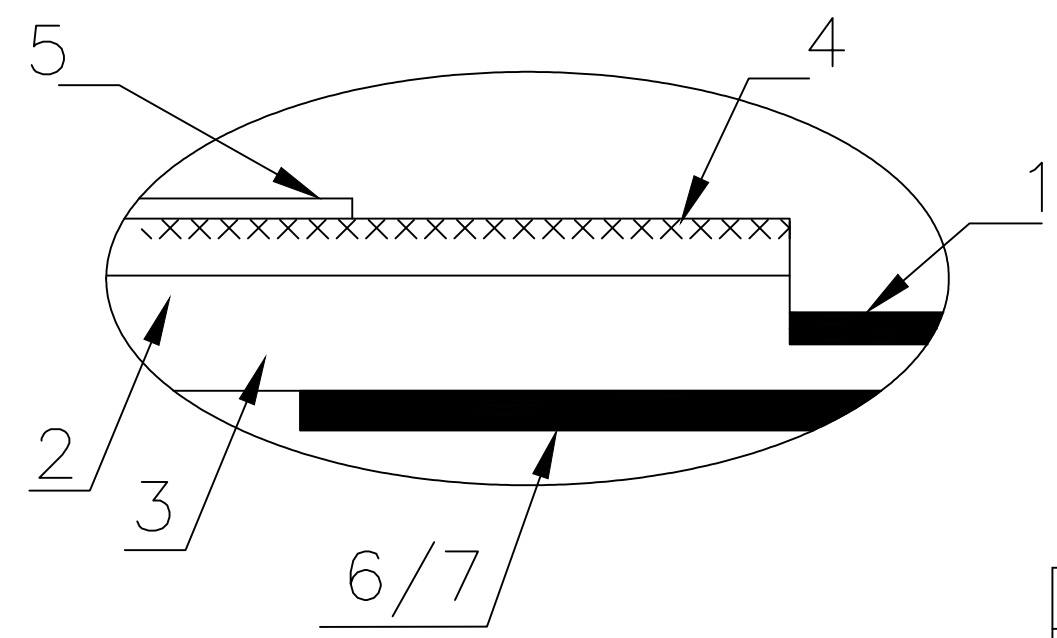
**NOTES: JUMPER CABLES ARE SUITABLE FOR USE WITH MOLEX 502231 & 502244 SERIES CONNECTORS**

**COMPOSITION**

Item	COMPONENTS	UNITS	SPECIFICATIONS
1	Conductor	Material	Gold plated contacts (0.3µm Ni/0.05µm Au min)
		Width	mm 0.23 mm nominal
		Thickness	mm 0.055 mm nominal
2	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	mm 0.100 mm nominal
3	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	mm 0.100 mm nominal
4	Aluminum tape	Material	Polyester/Aluminium/Adhesive
		Thickness	mm 0.119 mm nominal
5	Insulation tape	Material	Polyester + FR adhesive insulation
		Thickness	mm 0.043 mm nominal
6,7	Reinforcement Tape	Material	Blue Polyester
		Thickness	mm 0.155 mm nominal

**DIMENSIONS**

ITEMS	REP.	NOMINAL
Number of conductors		33(=37-4)
Pitch	P	0.50 ± 0.05
Span	E	16.00 ± 0.05
Width	W	17.00 ± 0.07
Total end Width	C	19.00 ± 0.15
Margin	M	0.50 ± 0.08
Strip length	S1/S2	2.2 ± 0.5
Grounding length	G1/G2	6 ± 2
End thickness	T	0.30 ± 0.05
Reinforcement length	F1/F2	7.0 ± 1.5
Thickness grounding area	A	0.50 ± 0.05

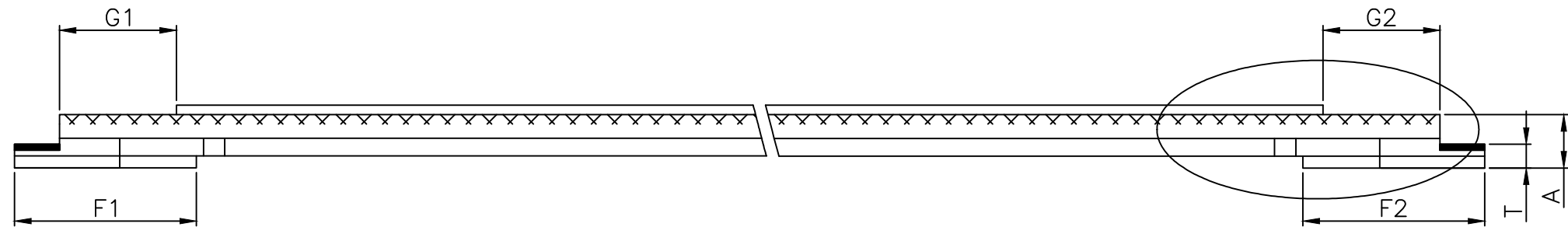


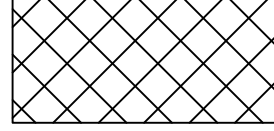
**CHARACTERISTICS**

ITEMS	VALUE	TEST METHOD
Resistance of conductor at 20°C	1950 Ohm/km maxi	—
Insulation resistance (Conductor to conductor)	10 MOhm.m mini	200 V DC
Dielectric test (Conductor to conductor)	1 minute	200 V AC
Temperature rating	-40°C to 80°C	UL2896
Voltage rating	30 V AC maxi	
Flame resistance	VW-1	UL758
Differential impedance	100 Ω ± 10 Ω	—
Length L: 2"-10"	5-10 Gigabits/sec	—
Length L: 12"-24"	2-5 Gigabits/sec	—

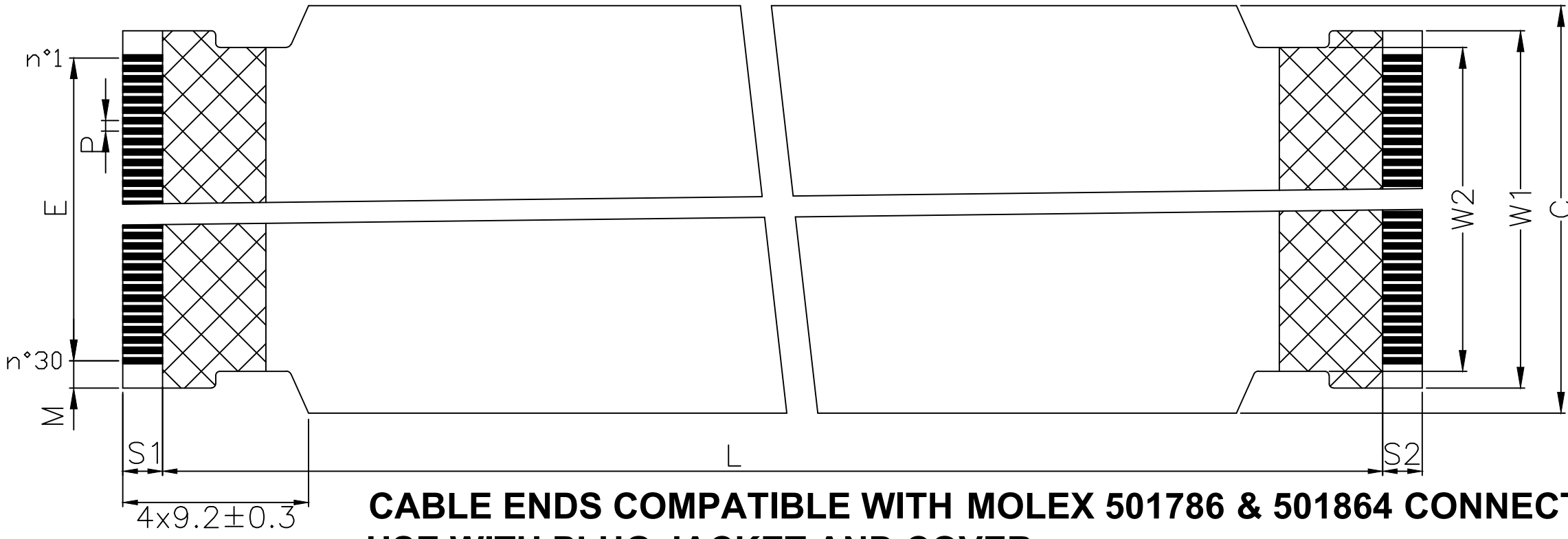
DIMENSIONAL TOLERANCES		DIMENSIONAL TOLERANCES	
45 mm TO 60 mm	±2 mm	1.772 TO 2.400	±0.079
61 mm TO 100 mm	±3 mm	2.401 TO 3.975	±0.119
101 mm TO 200 mm	±4 mm	3.976 TO 7.912	±0.157
201 mm TO 1500 mm	±5 mm	7.913 TO 59.055	±0.197

INITIAL RELEASE EC NO: USW2016-0198 DRWN: MD 2016/02/24	QUALITY SYMBOL	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE INCH [MM]		SCALE NONE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	▼=0	mm	INCH	DRAWN BY MDIGGIKA	DATE 2016/02/25	TITLE LVDS CKTS 33			
	∇=0	4 PLACES ±---	±---	CHECKED BY	DATE	MATERIAL NO. SEE CHART			
		3 PLACES ±---	±---	APPROVED BY	DATE	Molex MOLEX INCORPORATED		DOCUMENT NO. SD-15021-033	SHEET NO. 1 OF 1
		2 PLACES ±---	±---	ANGULAR ±1°		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



 Grounding area

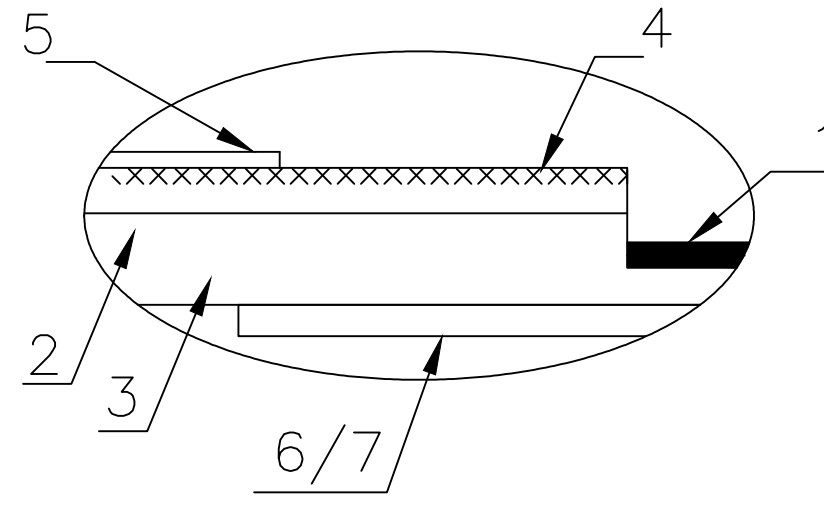
PART NO.	CKTS	LENGTH
15022-0230	30	2"
15022-0430	30	4"
15022-0630	30	6"
15022-0830	30	8"
15022-1030	30	10"
15022-1230	30	12"
15022-2430	30	24"



**CABLE ENDS COMPATIBLE WITH MOLEX 501786 & 501864 CONNECTORS. USE WITH PLUG JACKET AND COVER.**

**COMPOSITION:**

Item	COMPONENTS	UNITS	SPECIFICATIONS
1	Conductor	Material	Gold plated contacts (0.3µm Ni/0.05µm Au min)
		Width	mm 0.23 mm nominal
		Thickness	mm 0.055 mm nominal
2	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	mm 0.100 mm nominal
3	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	mm 0.100 mm nominal
4	Aluminum tape	Material	Polyester/Aluminium/Adhesive
		Thickness	mm 0.119 mm nominal
5	Insulation tape	Material	Polyester + FR adhesive insulation
		Thickness	mm 0.043 mm nominal
6,7	Reinforcement Tape	Material	Blue Polyester
		Thickness	mm 0.155 mm nominal



**DIMENSIONS:**

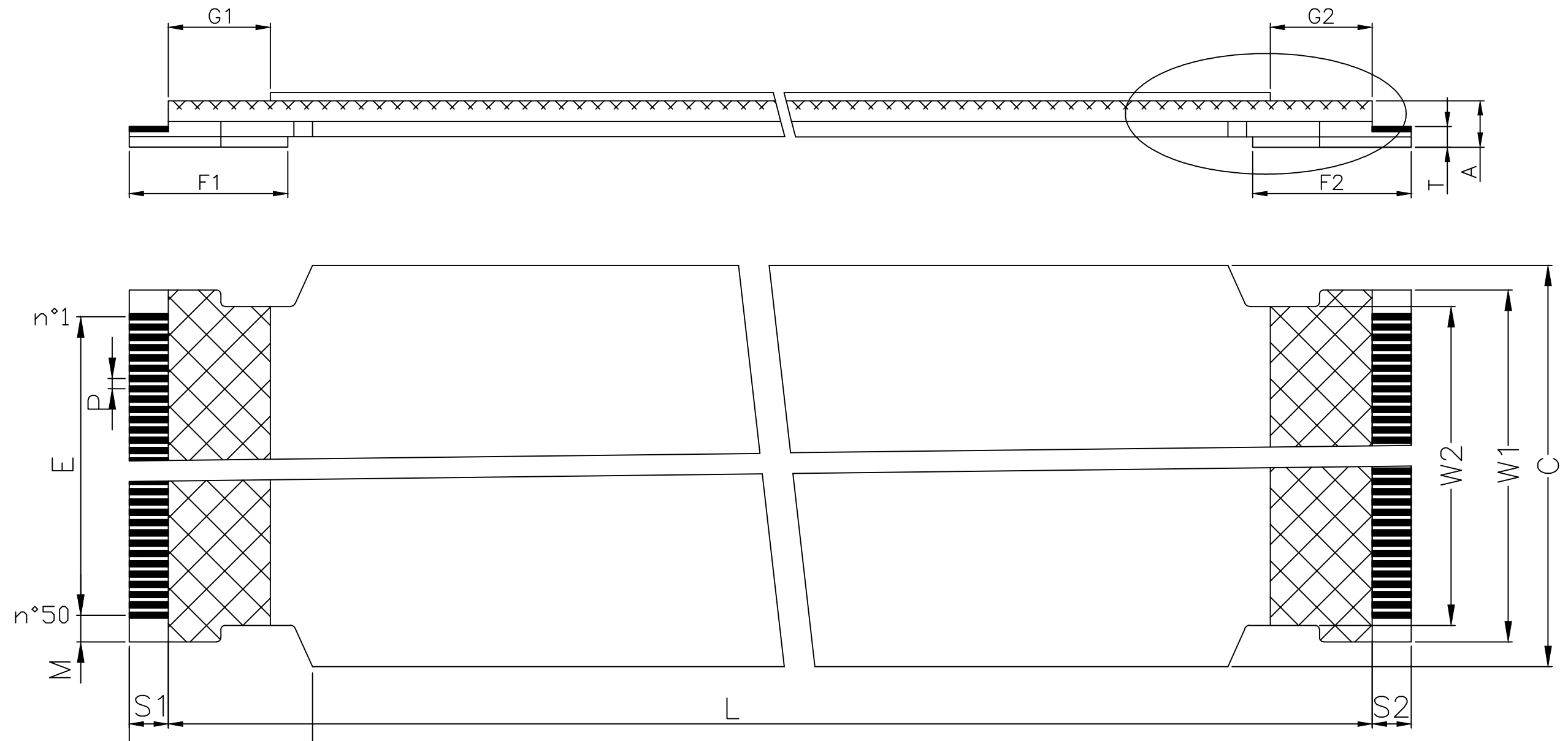
ITEMS	MARK	NOMINAL	MINIMUM	MAXIMUM
Number of conductors		30	30	30
Pitch	[mm] P	0.50 ± 0.05	0.45	0.55
Span	[mm] E	14.50 ± 0.06	14.44	14.56
Total width cable body	[mm] C	19.5 ± 0.2	19.3	19.7
Punched total width	[mm] W1	17.10 ± 0.04	17.06	17.14
Punched width	[mm] W2	15.5 ± 0.05	15.45	15.55
Margin notched	[mm] M	1.30 ± 0.06	1.24	1.36
End thickness	[mm] T	0.30 ± 0.05	0.25	0.35
Thickness grounding area	[mm] A	0.50 ± 0.05	0.45	0.55
Reinforcement length	[mm] F1,F2	7.7 ± 1.5	6.2	9.2
Strip length	[mm] S1,S2	1.9 ± 0.5	1.4	2.4
Grounding length	[mm] G1,G2	6 ± 2	4	8

**CHARACTERISTICS**

ITEMS	VALUE	TEST METHOD
Resistance of conductor at 20°C	1950 Ohm/km maxi	-
Insulation resistance (Conductor to conductor)	10 MOhm.m mini	200 V DC
Dielectric test (Conductor to conductor)	1 minute	200 V AC
Temperature rating	-40°C to 80°C	UL2896
Voltage rating	30 V AC maxi	
Flame resistance	VW-1	UL758
Differential impedance	100 Ω ± 10 Ω	-
Speed L: 2"-10"	5-10 Gigabits/sec	-
Speed L: 12"-24"	2-5 Gigabits/sec	-

DIMENSIONAL TOLERANCES		DIMENSIONAL TOLERANCES	
45 mm TO 60 mm	±2 mm	1.772 TO 2.400	±0.079
61 mm TO 100 mm	±3 mm	2.401 TO 3.975	±0.119
101 mm TO 200 mm	±4 mm	3.976 TO 7.912	±0.157
201 mm TO 1500 mm	±5 mm	7.913 TO 59.055	±0.197

INITIAL RELEASE EC NO: USW2016-0198 DRWN: MD 2016/02/24	QUALITY SYMBOL ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±---	DIMENSION STYLE INCH [MM] DRAWN BY DATE MDIGGIKA 2016/02/25 CHECKED BY DATE --- --- APPROVED BY DATE --- ---	SCALE NONE DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE LVDS CKTS 30	
	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-15022-030	SHEET NO. 1 OF 1	Molex MOLEX INCORPORATED		
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE C				



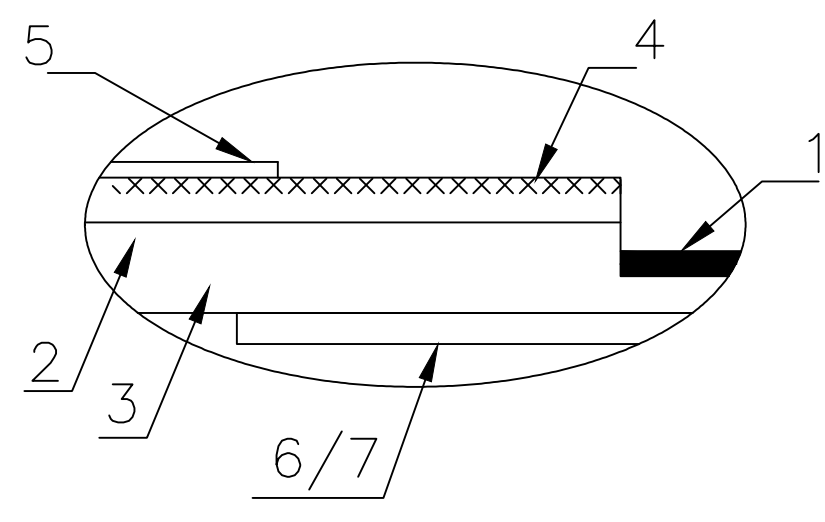
Grounding area

PART NO.	CKTS	LENGTH
15022-0250	50	2"
15022-0450	50	4"
15022-0650	50	6"
15022-0850	50	8"
15022-1050	50	10"
15022-1250	50	12"
15022-2450	50	24"

**CABLE ENDS COMPATIBLE WITH MOLEX 501786 & 501864 CONNECTORS.  
USE WITH PLUG JACKET AND COVER.**

**COMPOSITION:**

Item	COMPONENTS	UNITS	SPECIFICATIONS
1	Conductor	Material	Gold plated contacts (0.3µm Ni/0.05µm Au min)
		Width	0.23 mm nominal
		Thickness	0.055 mm nominal
2	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	0.100 mm nominal
3	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	0.100 mm nominal
4	Aluminum tape	Material	Polyester/Aluminium/Adhesive
		Thickness	0.119 mm nominal
5	Insulation tape	Material	Polyester + FR adhesive insulation
		Thickness	0.043 mm nominal
6,7	Reinforcement Tape	Material	Blue Polyester
		Thickness	0.155 mm nominal



**DIMENSIONS:**

ITEMS	MARK	NOMINAL	MINIMUM	MAXIMUM
Number of conductors		50	50	50
Pitch	[mm] P	0.50 ± 0.05	0.45	0.55
Span	[mm] E	24.50 ± 0.06	24.44	24.56
Total width cable body	[mm] C	29.5 ± 0.2	29.3	29.7
Punched total width	[mm] W1	27.10 ± 0.04	27.06	27.14
Punched width	[mm] W2	25.5 ± 0.05	25.45	25.55
Margin notched	[mm] M	1.30 ± 0.06	1.24	1.36
End thickness	[mm] T	0.30 ± 0.03	0.27	0.33
Thickness grounding area	[mm] A	0.50 ± 0.05	0.45	0.55
Reinforcement length	[mm] F1,F2	7.7 ± 1.5	6.2	9.2
Strip length	[mm] S1,S2	1.9 ± 0.5	1.4	2.4
Grounding length	[mm] G1,G2	6 ± 2	4	8

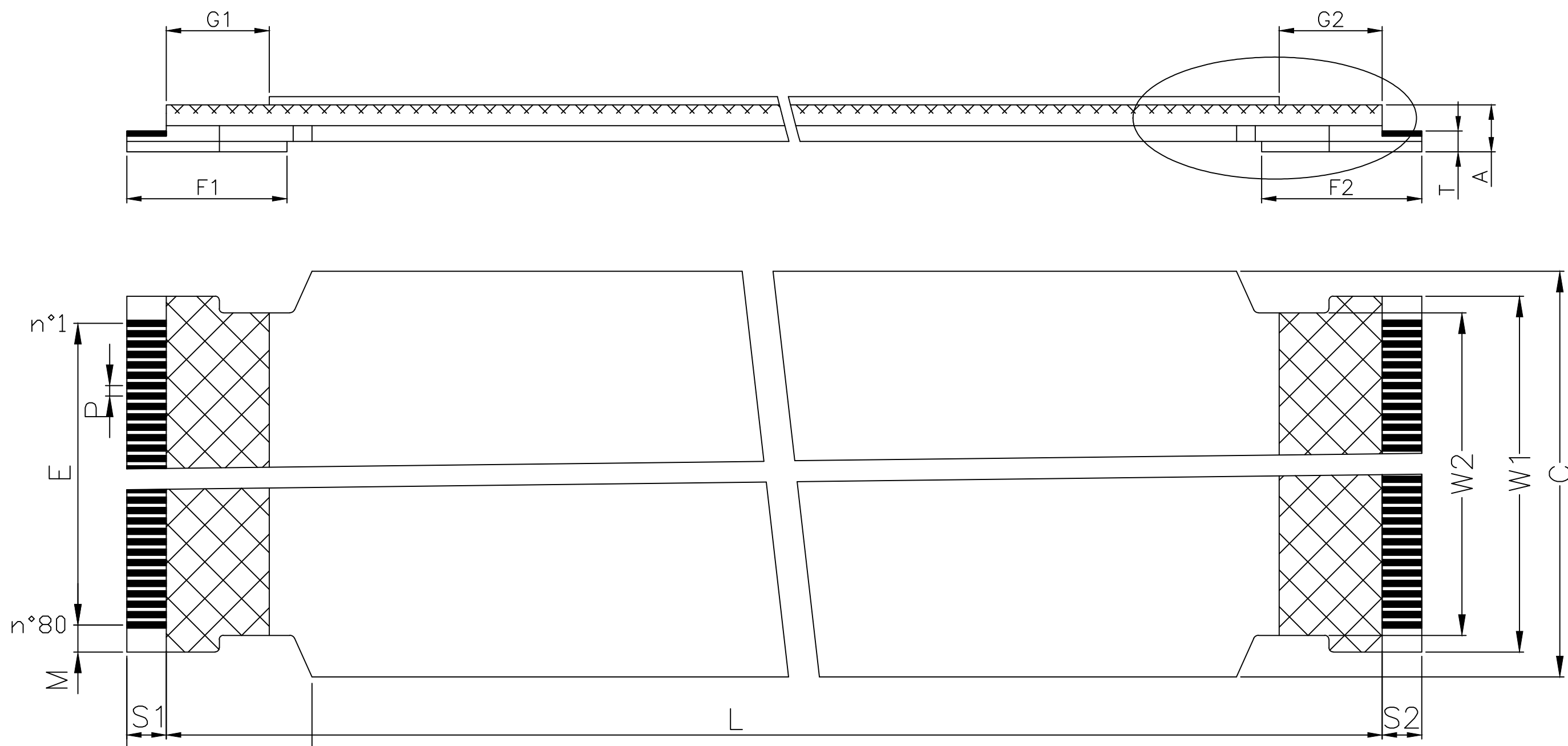
DIMENSIONAL TOLERANCES		DIMENSIONAL TOLERANCES	
45 mm TO 60 mm	±2 mm	1.772 TO 2.400	±0.079
61 mm TO 100 mm	±3 mm	2.401 TO 3.975	±0.119
101 mm TO 200 mm	±4 mm	3.976 TO 7.912	±0.157
201 mm TO 1500 mm	±5 mm	7.913 TO 59.055	±0.197

**CHARACTERISTICS**

ITEMS	VALUE	TEST METHOD
Resistance of conductor at 20°C	1950 Ohm/km maxi	-
Insulation resistance (Conductor to conductor)	10 MOhm.m mini	200 V DC
Dielectric test (Conductor to conductor)	1 minute	200 V AC
Temperature rating	-40°C to 80°C	UL2896
Voltage rating	30 V AC maxi	
Flame resistance	VW-1	UL758
Differential impedance	100 Ω ± 10 Ω	-
Speed L: 2"-10"	5-10 Gigabits/sec	-
Speed L: 12"-24"	2-5 Gigabits/sec	-

INITIAL RELEASE EC NO: USW2016-0198 DRWN: MD 2016/02/24	QUALITY SYMBOL ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±---	DIMENSION STYLE INCH [MM] DRAWN BY DATE MDIGGIKA 2016/02/25 CHECKED BY DATE ---- APPROVED BY DATE ----	SCALE NONE DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE LVDS CKTS 50
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART	Molex MOLEX INCORPORATED	SHEET NO. 1 OF 1
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	DOCUMENT NO. SD-15022-050				
	SIZE C				



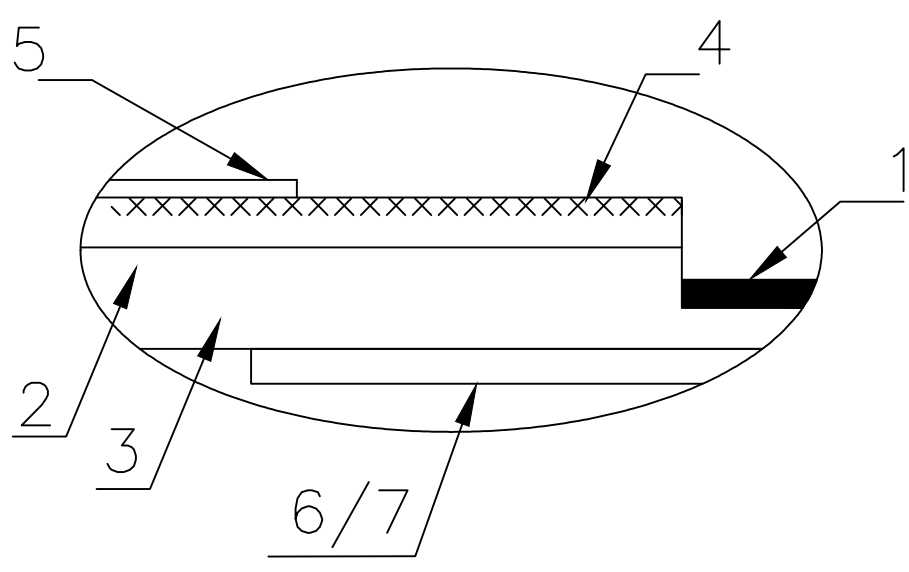


PART NO.	CKTS	LENGTH
15022-0280	80	2"
15022-0480	80	4"
15022-0680	80	6"
15022-0880	80	8"
15022-1080	80	10"
15022-1280	80	12"
15022-2480	80	24"

**CABLE ENDS COMPATIBLE WITH MOLEX 501786 & 501864 CONNECTORS.  
USE WITH PLUG JACKET AND COVER.**

**COMPOSITION:**

Item	COMPONENTS	UNITS	SPECIFICATIONS
1	Conductor	Material	- Gold plated contacts (0.3µm Ni/0.05µm Au min)
		Width	mm 0.23 mm nominal
		Thickness	mm 0.055 mm nominal
2	Insulation tape	Material	- Polyester+flame retardant adhesive insulation
		Thickness	mm 0.100 mm nominal
3	Insulation tape	Material	- Polyester+flame retardant adhesive insulation
		Thickness	mm 0.100 mm nominal
4	Aluminum tape	Material	- Polyester/Aluminium/Adhesive
		Thickness	mm 0.119 mm nominal
5	Insulation tape	Material	- Polyester + FR adhesive insulation
		Thickness	mm 0.043 mm nominal
6,7	Reinforcement Tape	Material	- Blue Polyester
		Thickness	mm 0.155 mm nominal



**DIMENSIONS:**

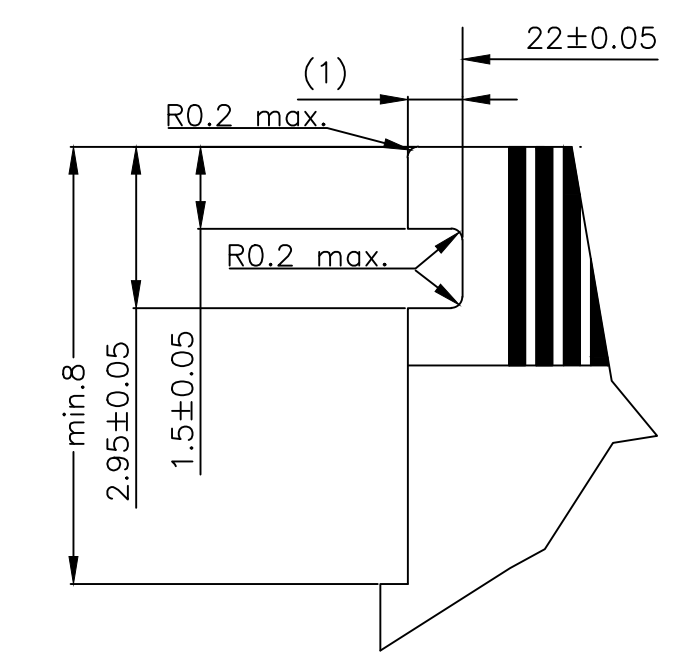
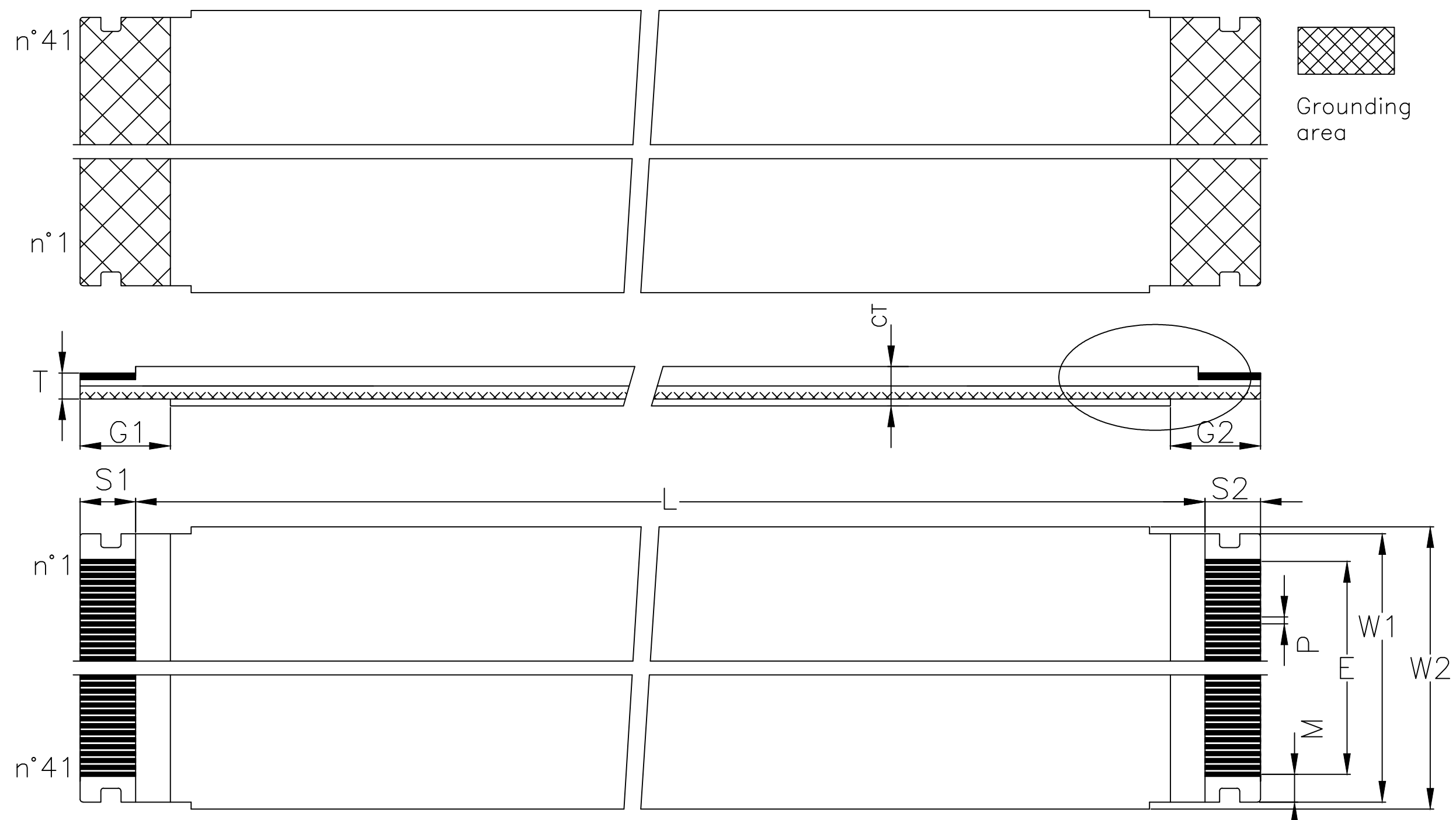
ITEMS	MARK	NOMINAL	MINIMUM	MAXIMUM
Number of conductors		80	80	80
Pitch	[mm] P	0.50 ± 0.05	0.45	0.55
Span	[mm] E	39.50 ± 0.06	39.44	39.56
Total width cable body	[mm] C	44.5 ± 0.2	44.3	44.7
Punched total width	[mm] W1	42.10 ± 0.04	42.06	42.14
Punched width	[mm] W2	40.5 ± 0.05	40.45	40.55
Margin notched	[mm] M	1.30 ± 0.06	1.24	1.36
End thickness	[mm] T	0.30 ± 0.03	0.27	0.33
Thickness grounding area	[mm] A	0.50 ± 0.05	0.45	0.55
Reinforcement length	[mm] F1,F2	7.7 ± 1.5	6.2	9.2
Strip length	[mm] S1,S2	1.9 ± 0.5	1.4	2.4
Grounding length	[mm] G1,G2	6 ± 2	4	8

DIMENSIONAL TOLERANCES		DIMENSIONAL TOLERANCES	
45 mm TO 60 mm	±2 mm	1.772 TO 2.400	±0.079
61 mm TO 100 mm	±3 mm	2.401 TO 3.975	±0.119
101 mm TO 200 mm	±4 mm	3.976 TO 7.912	±0.157
201 mm TO 1500 mm	±5 mm	7.913 TO 59.055	±0.197

**CHARACTERISTICS**

ITEMS	VALUE	TEST METHOD
Resistance of conductor at 20°C	1950 Ohm/km maxi	-
Insulation resistance (Conductor to conductor)	10 MOhm.m mini	200 V DC
Dielectric test (Conductor to conductor)	1 minute	200 V AC
Temperature rating	-40°C to 80°C	UL2896
Voltage rating	30 V AC maxi	
Flame resistance	VW-1	UL758
Differential impedance	100 Ω ± 10 Ω	-
Speed L: 2"-10"	5-10 Gigabits/sec	-
Speed L: 12"-24"	2-5 Gigabits/sec	-

INITIAL RELEASE EC NO: USW2016-0198 DRWN: MD 2016/02/24	QUALITY SYMBOL	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE INCH [MM]		SCALE NONE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	▼=0	mm	INCH	DRAWN BY MDIGGIKA	DATE 2016/02/25	TITLE LVDS CKTS 80				
	∇=0	4 PLACES ±---	±---	CHECKED BY	DATE					
		3 PLACES ±---	±---	APPROVED BY		DATE	Molex MOLEX INCORPORATED		SHEET NO. 1 OF 1	
		2 PLACES ±---	±---	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-15022-080				
	1 PLACE ±---	±---	ANGULAR ±1°		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

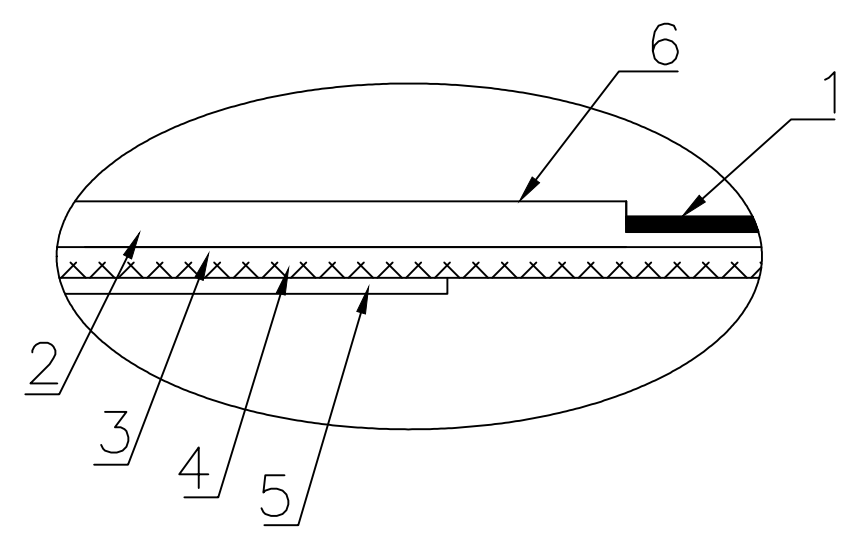


PART NO.	CKTS	LENGTH
15023-0241	41	2"
15023-0441	41	4"
15023-0641	41	6"
15023-0841	41	8"
15023-1041	41	10"
15023-1241	41	12"
15023-2441	41	24"

**CABLE ENDS COMPATIBLE WITH MOLEX 503908 CONNECTOR**

**COMPOSITION:**

Item	COMPONENTS	UNITS	SPECIFICATIONS
1	Conductor	Material	Gold plated contacts(0.8µm Ni/0.12µm Au min)
		Width	0.30±0.02 mm
		Thickness	0.050 mm nominal
2	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	0.086 mm nominal
3	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	0.086 mm nominal
4	Aluminum tape	Material	Polyester/Aluminum/Adhesive
		Thickness	0.119 mm nominal
5	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	0.043 mm nominal
6	Insulation tape	Material	Polyester+flame retardant adhesive insulation
		Thickness	0.043 mm nominal



**DIMENSIONS:**

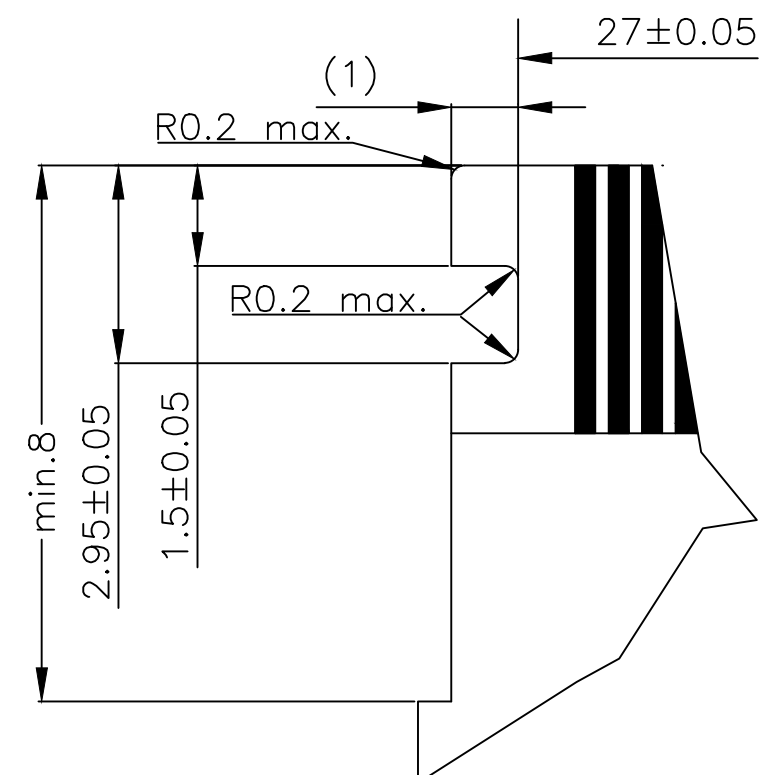
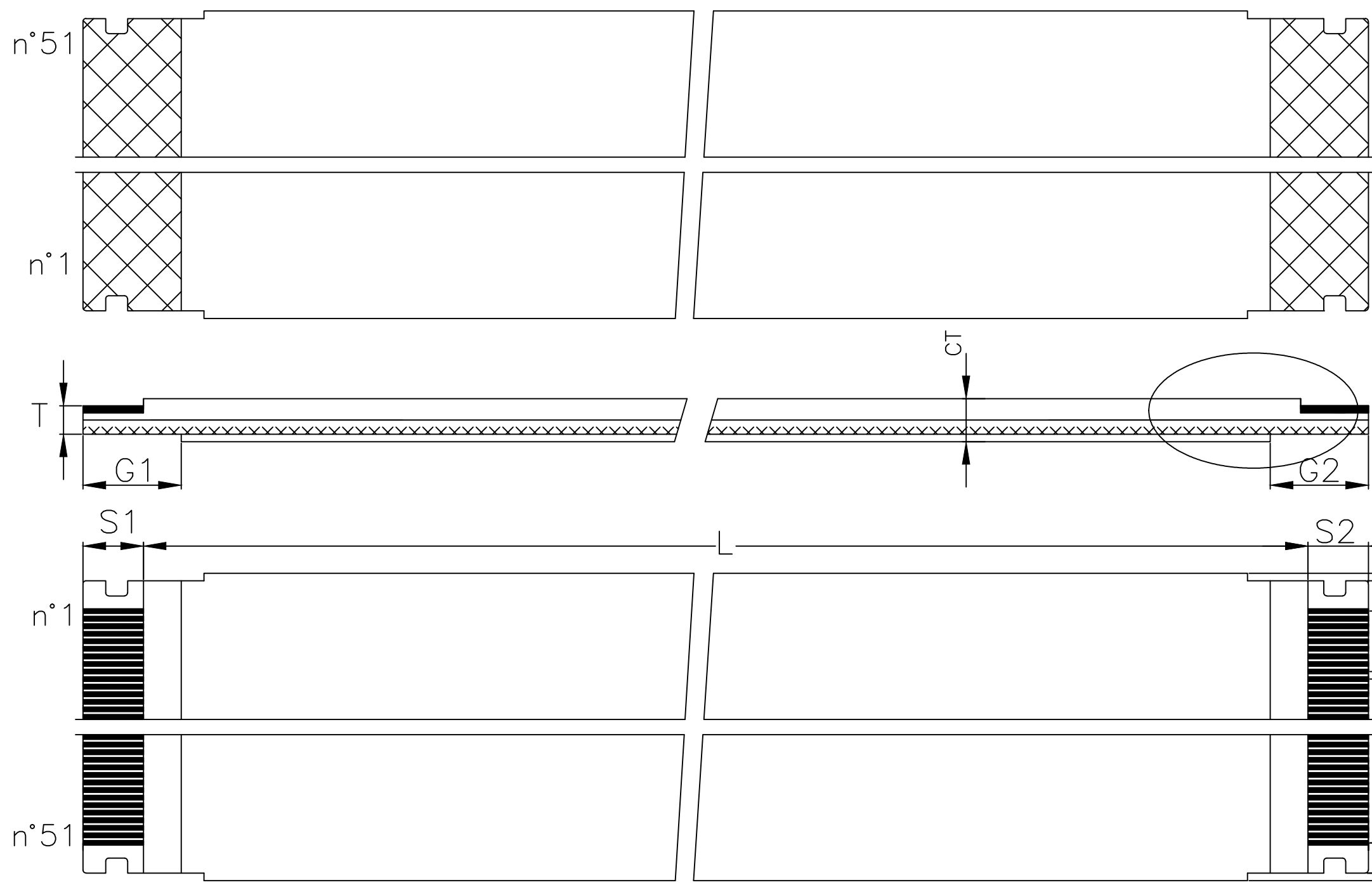
ITEMS	MARK	NOMINAL	MINIMUM	MAXIMUM
Number of conductors		41	41	41
Pitch [mm]	P	0.50 ± 0.05	0.45	0.55
Span [mm]	E	20.00 ± 0.05	19.95	20.05
Total width [mm]	W1	24.00 ± 0.04	23.96	24.04
Total width cable body [mm]	W2	25.0 ± 0.1	24.9	25.1
Margin notched [mm]	M	2.00 ± 0.08	1.92	2.08
End thickness [mm]	T	0.33 ± 0.03	0.30	0.36
Cable thickness [mm]	CT	0.425 ± 0.05	0.375	0.475
Strip length [mm]	S1,S2	4.0 ± 0.5	3.5	4.5
Grounding length [mm]	G1,G2	6 ± 2	4	8

**CHARACTERISTICS**

ITEMS	VALUE	TEST METHOD
Resistance of conductor	1460 Ω/km maxi	-
Conductor to conductor insulation resistance	10 MΩ.m mini	200 V DC
Dielectric test (conductor to conductor)	1 minute	200 V AC
Temperature rating	-40°C / +80°C	UL2896
Voltage rating	30 V AC maxi	UL2896
Flame resistance	VW - 1	UL 758
Differential impedance	100 ±10 Ohms	-
Speed L: 2"-10"	5-10 Gigabits/sec	-
Speed L: 12"-24"	2-5 Gigabits/sec	-

DIMENSIONAL TOLERANCES		DIMENSIONAL TOLERANCES	
45 mm TO 60 mm	±2 mm	1.772 TO 2.400	±0.079
61 mm TO 100 mm	±3 mm	2.401 TO 3.975	±0.119
101 mm TO 200mm	±4 mm	3.976 TO 7.912	±0.157
201mm TO 1500mm	±5 mm	7.913 TO 59.055	±0.197

INITIAL RELEASE EC NO: USW2016-0198 DRWN: MD 2016/02/24	QUALITY SYMBOL ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±---	DIMENSION STYLE INCH [MM] DRAWN BY DATE MDIGGIKA 2016/02/25 CHECKED BY DATE --- APPROVED BY DATE ---	SCALE NONE DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE LVDS CKTS 41	
	MATERIAL NO. SEE CHART	DOCUMENT NO. Molex MOLEX INCORPORATED SD-15023-041	SHEET NO. 1 OF 1			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	SIZE C					
	A					

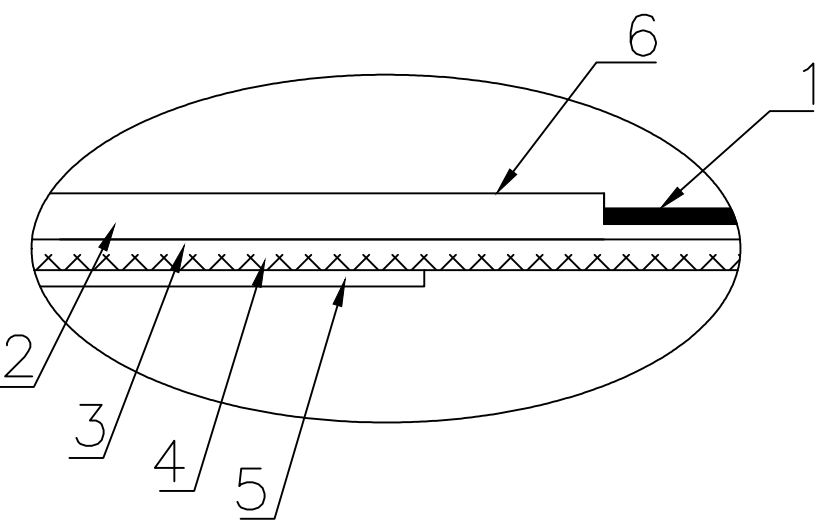


PART NO.	CKTS	LENGTH
15023-0251	51	2"
15023-0451	51	4"
15023-0651	51	6"
15023-0851	51	8"
15023-1051	51	10"
15023-1251	51	12"
15023-2451	51	24"

**CABLE ENDS COMPATIBLE WITH MOLEX 503908 CONNECTOR**

**COMPOSITION:**

Item	COMPONENTS	UNITS	SPECIFICATIONS
1	Conductor	Material	- Gold plated contacts (0.8µm Ni/0.12µm Au min)
		Width	mm 0.30±0.02 mm
		Thickness	mm 0.050 mm nominal
2	Insulation tape	Material	- Polyester+flame retardant adhesive insulation
		Thickness	mm 0.086 mm nominal
3	Insulation tape	Material	- Polyester+flame retardant adhesive insulation
		Thickness	mm 0.086 mm nominal
4	Aluminum tape	Material	- Polyester/Aluminum/Adhesive
		Thickness	mm 0.119 mm nominal
5	Insulation tape	Material	- Polyester+flame retardant adhesive insulation
		Thickness	mm 0.043 mm nominal
6	Insulation tape	Material	- Polyester+flame retardant adhesive insulation
		Thickness	mm 0.043 mm nominal



**DIMENSIONS:**

ITEMS	MARK	NOMINAL	MINIMUM	MAXIMUM
Number of conductors		51	51	51
Pitch [mm]	P	0.50 ± 0.05	0.45	0.55
Span [mm]	E	25.00 ± 0.05	24.95	25.05
Total width [mm]	W1	29.00 ± 0.04	28.96	29.04
Total width cable body [mm]	W2	30.0 ± 0.1	29.9	30.1
Margin notched [mm]	M	2.00 ± 0.08	1.92	2.08
End thickness [mm]	T	0.33 ± 0.03	0.30	0.36
Cable thickness [mm]	CT	0.425 ± 0.05	0.375	0.475
Strip length [mm]	S1,S2	4.0 ± 0.5	3.5	4.5
Grounding length [mm]	G1,G2	6 ± 2	4	8

**CHARACTERISTICS**

ITEMS	VALUE	TEST METHOD
Resistance of conductor	1460 Ω/km maxi	-
Conductor to conductor insulation resistance	10 MΩ.m mini	200 V DC
Dielectric test (conductor to conductor)	1 minute	200 V AC
Temperature rating	-40°C / +80°C	UL2896
Voltage rating	30 V AC maxi	UL2896
Flame resistance	VW - 1	UL 758
Differential impedance	100 ±10 Ohms	-
Speed L: 2"-10"	5-10 Gigabits/sec	-
Speed L: 12"-14"	2-5 Gigabits/sec	-

DIMENSIONAL TOLERANCES		DIMENSIONAL TOLERANCES	
45 mm TO 60 mm	±2 mm	1.772 TO 2.400	±0.079
61 mm TO 100 mm	±3 mm	2.401 TO 3.975	±0.119
101 mm TO 200 mm	±4 mm	3.976 TO 7.912	±0.157
201 mm TO 1500 mm	±5 mm	7.913 TO 59.055	±0.197

INITIAL RELEASE EC NO: USW2016-0198 DRWN: MD 2016/02/24	QUALITY SYMBOL ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±---	DIMENSION STYLE INCH [MM] DRAWN BY DATE MDIGGIKA 2016/02/25 CHECKED BY DATE --- APPROVED BY DATE ---	SCALE NONE DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE LVDS CKTS 51
	ANGULAR ±1° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART	Molex MOLEX INCORPORATED	SHEET NO. 1 OF 1
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	DOCUMENT NO. SD-15023-051				
	SIZE C				