

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0022012155](#)
Status: **Active**
Overview: [kk](#)
Description: 2.54mm (.100") Pitch KK® Crimp Terminal Housing, Friction Ramp, 15 Circuits, Use with 4809

Documents:

3D Model	Product Specification PS-99020-0088 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-10-07 (PDF)	

Agency Certification

CSA	LR19880
UL	E29179

General

Product Family	Crimp Housings
Series	6471
Overview	kk
Product Name	KK®

Physical

Circuits (maximum)	15
Color - Resin	Natural (White)
Flammability	94V-0
Gender	Female
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Resin	Nylon
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	0°C to +75°C

Solder Process Data

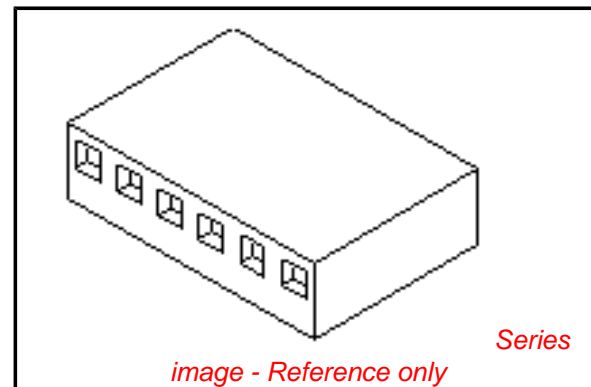
Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	230

Material Info

Old Part Number	6471-15(I)
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Reference - Drawing Numbers

Product Specification	PS-10-07, PS-99020-0088
Sales Drawing	SD-6471-N*-*; SDE-6471-N*-*



EU RoHS

ELV and RoHS Compliant
REACH SVHC
 Not Reviewed
Halogen-Free Status

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[6471Series](#)

Mates With

2.54mm (.100") Pitch KK ® PCB Headers

Use With

4809 KK® Crimp Terminal

PART NO. SEE CHART
 DWG. NO. SD-6471-N-...

PART No.	ENG No.	No. OF CIRCUITS	RAMP & POL. RIBS	DIM. A	DIM. B
22-01-2025	E-6471-021	2	YES	↑	↑
↑ -2035	↑ -031	3	↑	↑	↑
-2045	-041	4			
-2055	-051	5			
-2065	-061	6			
-2075	-071	7			
-2085	-081	8			
-2095	-091	9			
-2105	-101	10			
-2115	-111	11			
-2125	-121	12			
-2135	-131	13			
-2145	-141	14			
-2155	-151	15			
-2165	-161	16			
-2175	-171	17			
-2185	-181	18			
-2195	-191	19			
-2205	-201	20			
-2215	-211	21			
-2225	-221	22			
↓ -2235	-231	23			
22-01-2245	-241	24			
NOT TOOLED	-251	25			
22-01-2265	-261	26			
NOT TOOLED	↓ -271	27			
22-01-2285	E-6471-281	28	YES	↓	↓

SEE SHEET I FOR DIMENSION
 SEE SHEET I FOR DIMENSION

PART No.	ENG No.	No. OF CIRCUITS	LOCKING FEATURE	DIM. A	DIM. B
22-01-2026	E-6471-2	2	NO	↑	↑
↑ -2036	↑ -3	3	↑	↑	↑
-2046	-4	4			
-2056	-5	5			
-2066	-6	6			
-2076	-7	7			
-2086	-8	8			
-2096	-9	9			
-2106	-10	10			
-2116	-11	11			
-2126	-12	12			
-2136	-13	13			
-2146	-14	14			
-2156	-15	15			
-2166	-16	16			
-2176	-17	17			
-2186	-18	18			
-2196	-19	19			
-2206	-20	20			
↓ -2216	-21	21			
22-01-2226	-22	22			
NOT TOOLED	-23	23			
22-01-2246	-24	24			
NOT TOOLED	-25	25			
22-01-2266	-26	26			
22-01-2276	↓ -27	27			
22-01-2286	E-6471-28	28	NO	↓	↓

SEE SHEET I FOR DIMENSION
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REVISE ONLY ON CAD SYSTEM		SH.	REV.
CAD/CAM FILENAME SD-6471-N-.502		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
TITLE 2.54 mm KK Crp Trm Hsg II			
MOLLEX MOLEX EUROPE		SHEET NO. 20F	DATE 15/07/00
PART NO. SEE CHART	DWG. NO. SD-6471-N-...	SIZE B	

LTR	A SEE SHEET I.	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°	DRWG BY SF
		INCH (METRIC)	CHK'D BY
		3 PLACE ± . 2 PLACE ± . 1 PLACE ±	APP'D BY
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SCALE -
		DESIGN DIMENSION <input type="checkbox"/> (MM) (PRIMARY) <input type="checkbox"/> IN.	
		EQUIVALENT DIMENSION <input type="checkbox"/> (MM) (SECONDARY) <input type="checkbox"/> IN.	

PART NO. SEE CHART
 DWG. NO. SD-6471-N-...

PART No.	ENG No.	No. OF CIRCUITS	RAMP & POL. RIBS	VOID CCT LOCATION	DIM. A	DIM. B
22-01-4022	E-6471-021-02	2	YES	2	↑	↑
↑ -4032	↑ -031-02	3	↑	↑	↑	↑
-4042	-041-02	4				
-4052	-051-02	5				
-4062	-061-02	6				
-4072	-071-02	7				
-4082	-081-02	8				
-4092	-091-02	9				
-4102	-101-02	10				
-4112	-111-02	11				
-4122	-121-02	12				
-4132	-131-02	13				
-4142	-141-02	14				
-4152	-151-02	15				
-4162	-161-02	16				
-4172	-171-02	17				
-4182	-181-02	18				
-4192	-191-02	19				
-4202	-201-02	20				
-4212	-211-02	21				
-4222	-221-02	22				
-4232	-231-02	23				
-4242	-241-02	24				
-4252	-251-02	25				
-4262	-261-02	26				
-4272	-271-02	27				
22-01-4282	E-6471-281-02	28	YES	2	↓	↓

PART No.	ENG No.	No. OF CIRCUITS	LOCKING FEATURE	VOID CCT LOCATION	DIM. A	DIM. B
22-01-4021	E-6471-02-02	2	NO	2	↑	↑
↑ -4031	↑ -03-02	3	↑	↑	↑	↑
-4041	-04-02	4				
-4051	-05-02	5				
-4061	-06-02	6				
-4071	-07-02	7				
-4081	-08-02	8				
-4091	-09-02	9				
-4101	-10-02	10				
-4111	-11-02	11				
-4121	-12-02	12				
-4131	-13-02	13				
-4141	-14-02	14				
-4151	-15-02	15				
-4161	-16-02	16				
-4171	-17-02	17				
-4181	-18-02	18				
-4191	-19-02	19				
-4201	-20-02	20				
-4211	-21-02	21				
-4221	-22-02	22				
-4231	-23-02	23				
-4241	-24-02	24				
-4251	-25-02	25				
-4261	-26-02	26				
↓ -4271	↓ -27-02	27				
22-01-4281	E-6471-28-02	28	NO	2	↓	↓

SEE SHEET 1.	LTR	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		DRWG BY SF	REVISE ONLY ON CAD SYSTEM		SHL	REV.
		INCH (METRIC)		CHK'D BY	CAD/CAM FILENAME SD-6471-N - .503			
		3 PLACE ± .		APP'D BY	TITLE 2.54 mm KK Crp Trm Hsg II			
		2 PLACE ± .		SCALE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		1 PLACE ± .			MOLEX EUROPE SHEET NO. DATE 30F 13/07/00			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			PART NO. SEE CHART		DWG NO. SD-6471-N-...		SIZE B	
DESIGN DIMENSION (PRIMARY) <input type="checkbox"/> (MM) <input type="checkbox"/> IN.								
EQUIVALENT DIMENSION (SECONDARY) <input type="checkbox"/> (MM) <input type="checkbox"/> IN.								

PART NO. SD-647I-N
 ENG. NO. SEE CHART

HOUSING WITH OPTIONAL PEGS

PART No.	ENG No.	No. OF CIRCUITS	RAMP & POL. RIBS	DIM. A	DIM. B
NOT TOOLED	E-647I-7S	7	YES	↑	↑
↑	↑ -8S	8	↑	↑	↑
	-9S	9		↑	↑
	-10S	10		↑	↑
	-11S	11		↑	↑
	-12S	12		↑	↑
	-13S	13		↑	↑
	-14S	14		↑	↑
	-15S	15		↑	↑
	-16S	16		↑	↑
	-17S	17		↑	↑
	-18S	18		↑	↑
	-19S	19		↑	↑
	-20S	20		↑	↑
	-21S	21		↑	↑
	-22S	22		↑	↑
	-23S	23		↑	↑
	-24S	24		↑	↑
	-25S	25		↑	↑
	-26S	26		↑	↑
	↓ -27S	27	↓	↓	↓
NOT TOOLED	E-647I-28S	28	YES	↓	↓

SEE SHEET I FOR DIMENSION

SEE SHEET I FOR DIMENSION

PART No.	ENG No.	No. OF CIRCUITS	RAMP & POL. RIBS	VOID CCT LOCATION	DIM. A	DIM. B
22-01-4123	E-647I-12-11	12	NO	11	↑	↑
22-01-4124	↑ -121-11	12	YES	11	↑	↑
NOT TOOLED	↓ -24-01	24	NO	1	↑	↑
NOT TOOLED	↓ -241-01	24	YES	1	↑	↑
22-01-6132	↓ -13-51	13	NO	2 & 5	↑	↑
NOT TOOLED	↓ -131-51	13	YES	2 & 5	↑	↑
22-01-6134	↓ -13-52	13	NO	9 & 12	↑	↑
22-01-6135	↓ -131-52	13	YES	9 & 12	↑	↑
NOT TOOLED	↓ -7-3	7	NO	3	↑	↑
97-00-0739	↓ -71-3	7	YES	3	↑	↑
97-00-0061	↓ -15-51	15	NO	2 & 8	↑	↑
NOT TOOLED	↓ -151-51	15	YES	2 & 8	↑	↑
97-00-0189	↓ -5-4	5	NO	4	↑	↑
97-00-0620	↓ -51-4	5	YES	4	↑	↑
97-00-0619	↓ -51-3	5	YES	3	↑	↑
97-00-0740	E-647I-61-3	6	YES	3	↓	↓

SEE SHEET I FOR DIMENSION

SEE SHEET I FOR DIMENSION

F

E

D

C

B

A

F

E

D

C

B

A

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CAD/CAM FILENAME SD-647I-N - .504		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
TITLE 2.54 mm KK Crp Trm Hsg II			
MOLEX EUROPE		SHEET NO. 40F	DATE 17/07/00
PART NO. SEE CHART	DWG NO. SD-647I-N-...	SIZE B	

A SEE SHEET I	LTR	REVISIONS	DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°	DRWG BY SF
			INCH (METRIC)	CHK'D BY
			3 PLACE ± .	APP'D BY
			2 PLACE ± .	SCALE
			1 PLACE ± .	-
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
			DESIGN DIMENSION (PRIMARY) <input type="checkbox"/> (MM) <input type="checkbox"/> IN.	
			EQUIVALENT DIMENSION (SECONDARY) <input type="checkbox"/> (MM) <input type="checkbox"/> IN.	

OPTIONAL STYLE VOID (SECTION E-E)

PART No.	ENG No.	No. OF CIRCUITS	VOID CCT LOCATION	RAMP & POL. RIBS	DIM. A	DIM. B
22-01-602I	E-6471-02-02B	2	2	NO	↑	↑
NOT TOOLED	↑ -02I-02B	2	↑	YES	↑ DIM	↑ DIM
22-01-607I	-07-02B	7		NO		
NOT TOOLED	↑ -07I-02B	7		YES		
22-01-610I	-10-02B	10		NO		
NOT TOOLED	↑ -10I-02B	10		YES		
22-01-611I	-11-02B	11		NO		
NOT TOOLED	↓ -11I-02B	11	↓	YES	↓ SEE SHT. I FOR DIM	↓ SEE SHT. I FOR DIM
	E-6471-11I-02B	11	2			

PART No.	ENG No.	No. OF CIRCUITS	RAMP ONLY	DIM. A	DIM. B
97-00-1062	E-6471-2R	2	YES	↑	↑
↑ -1063	↑ -3R	3	↑		
-1064	-4R	4			
-1065	-5R	5			
-1066	-6R	6			
-1067	-7R	7			
-1068	-8R	8			
-1069	-9R	9			
-1070	-10R	10			
-1071	-11R	11			
-1072	-12R	12			
-1073	-13R	13			
-1074	-14R	14			
-1075	-15R	15			
↓ -1076	-16R	16			
97-00-1077	-17R	17			
NOT TOOLED	-18R	18			
↑	-19R	19			
	-20R	20			
	-21R	21			
	-22R	22			
	-23R	23			
	-24R	24			
	-25R	25			
	-26R	26			
	-27R	27			
NOT TOOLED	E-6471-28R	28	YES	↓	↓

PART NO. SEE CHART
 DRG. NO. SD-6471-N-...

SEE SHEET I.

REVISIONS

3 PLACE ± .	±
2 PLACE ± .	±
1 PLACE ±	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DESIGN DIMENSION (MM) IN.
 (PRIMARY)

EQUIVALENT DIMENSION (MM) IN.
 (SECONDARY)

REVISE ONLY ON CAD SYSTEM SH. REV.

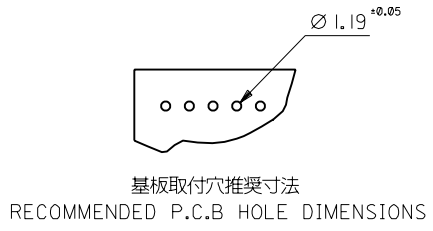
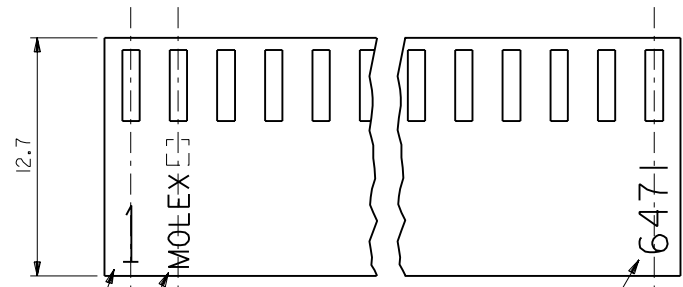
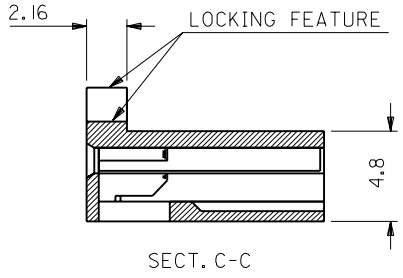
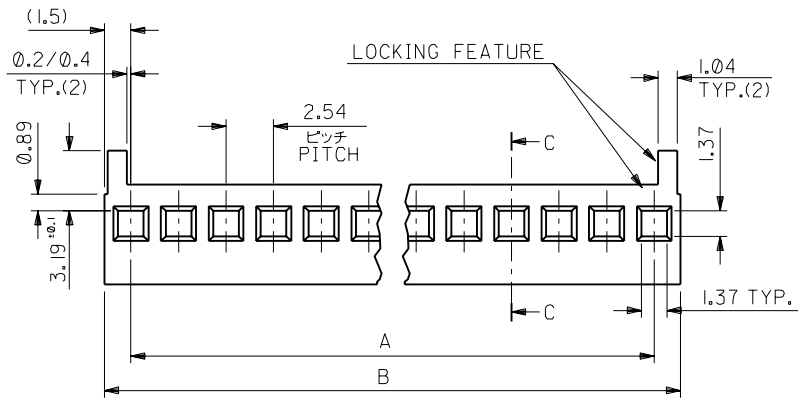
CAD/CAM FILENAME: SD-6471-N - .505 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DRWG BY: SF CHK'D BY: APP'D BY: SCALE: -

TITLE: 2.54 mm KK Cpr Trm Hsg II

MOLEX MOLEX EUROPE SHEET NO. DATE: 50F 17/07/00

PART NO. SEE CHART DWG NO. SD-6471-N-... SIZE B

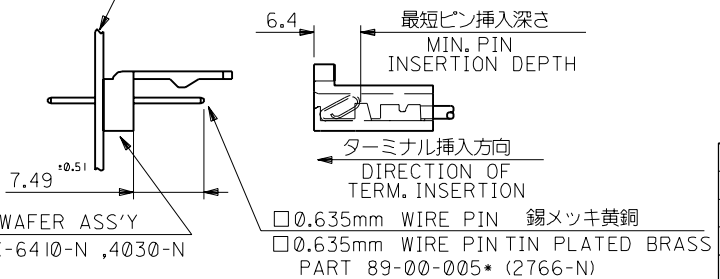


基板取付穴推奨寸法
RECOMMENDED P.C.B HOLE DIMENSIONS

TRAED MARK
回路番号
CKT. NO.

製品番号
ENG. NO.

PCB 又は モレックス製ウエファーアッセンブリー
PCB OR MOLEX WAFER ASS'Y



□ $\phi 0.635$ mm WIRE PIN 錫メッキ黄銅
□ $\phi 0.635$ mm WIRE PIN TIN PLATED BRASS
PART 89-00-005* (2766-N)

角度 ANGLE	±3°
30以上 OVER	±0.3
10以上 30未満 UNDER	±0.25
10未満 UNDER	±0.2
一般公差 GENERAL TOLERANCES	

材料 MATERIAL	ナイロン6/6, UL94V-0 NYLON6/6, UL94V-0
仕上げ FINISH	—//—
適用電線範囲 WIRE RANGE	—//—
被覆外径 INS. RANGE	—//—
DRAWN BY	'97/09/18 Y.KANNO
CHK'D BY	'97/09/19 Y.MIZUNO
APP'D BY	'97/09/19 M.FUKUSHIMA
尺度 SCALE	—//—

molex MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
REVISE ONLY ON CAD SYSTEM	
TITLE 名称 HOUSING ,KK (2.54) / .100 CRIMP TYPE ,ANTI FISH-HOOKING TERMINAL WITH LOCKING RAMP	
DWG. NO.	SHEET 1 OF 2
SDE-6471-N*-*	REV V


68.58 ^{+0.33}	71.58 ^{+0.46}	E-6471-281	28
66.04 ^{+0.33}	69.04 ^{+0.46}	-271	27
63.50 ^{+0.33}	66.50 ^{+0.46}	-261	26
60.96 ^{+0.33}	63.96 ^{+0.43}	-251	25
58.42 ^{+0.31}	61.42 ^{+0.43}	-241	24
55.88 ^{+0.31}	58.88 ^{+0.43}	-231	23
53.34 ^{+0.30}	56.34 ^{+0.41}	-221	22
50.80 ^{+0.30}	53.80 ^{+0.41}	-211	21
48.26 ^{+0.25}	51.26 ^{+0.36}	-201	20
45.72 ^{+0.23}	48.72 ^{+0.33}	-191	19
43.18 ^{+0.23}	46.18 ^{+0.33}	-181	18
40.64 ^{+0.20}	43.64 ^{+0.30}	-171	17
38.10 ^{+0.20}	41.10 ^{+0.30}	-161	16
35.56 ^{+0.20}	38.56 ^{+0.30}	-151	15
33.02 ^{+0.18}	36.42 ^{+0.28}	-141	14
30.48 ^{+0.18}	33.48 ^{+0.28}	-131	13
27.94 ^{+0.18}	30.94 ^{+0.28}	-121	12
25.40 ^{+0.15}	28.40 ^{+0.25}	-111	11
22.86 ^{+0.15}	25.86 ^{+0.25}	-101	10
20.32 ^{+0.13}	23.32 ^{+0.23}	-091	9
17.78 ^{+0.13}	20.78 ^{+0.23}	-081	8
15.24 ^{+0.13}	18.24 ^{+0.23}	-071	7
12.70 ^{+0.10}	15.70 ^{+0.23}	-061	6
10.16 ^{+0.10}	13.16 ^{+0.20}	-051	5
7.62 ^{+0.10}	10.62 ^{+0.20}	-041	4
5.08 ^{+0.10}	8.07 ^{+0.20}	-031	3
2.54 ^{+0.10}	5.53 ^{+0.20}	E-6471-021	2
A	B	ENG. NO.	通数 NO. OF CKTS.

22-01 -2285	E-6471-281	28	○	↑	↑
設備無し NOT TOOLED	↑ -271	27	↑		
22-01 -2265	-261	26			
設備無し NOT TOOLED	-251	25			
22-01 -2245	-241	24			
↑ -2235	-231	23			
-2225	-221	22			
-2215	-211	21			
-2205	-201	20		図面 1 OF 2 参照	参照
-2195	-191	19		SEE SHEET 1 OF 2	参照
-2185	-181	18			
-2175	-171	17		図面 1 OF 2 参照	参照
-2165	-161	16			
-2155	-151	15		図面 1 OF 2 参照	参照
-2145	-141	14			
-2135	-131	13			
-2125	-121	12			
-2115	-111	11			
-2105	-101	10			
-2095	-091	9			
-2085	-081	8			
-2075	-071	7			
-2065	-061	6			
-2055	-051	5			
-2045	-041	4			
↓ -2035	↓ -031	3	○	↓	↓
22-01 -2025	E-6471-021	2	○		
PART NO.	ENG. NO.	種数 NO. OF CKTS.	補強部 RAMP & POL.RIBS	A	B

注記
NOTES

- 適合ターミナル 4809-* (22-30 GA)
クリンプ部 被覆外径 φ1.58mm以下
FOR USE TERMINAL 4809-* (22-30 GA)
CRIMP TYPE ,MAX. INSULATION φ1.58mm
- ハウジングの端と端を合わせて積み重ねることができる。
TWO(2) HOUSINGS MAY BE STACKED END TO END.
- ()内寸法は参考寸法
() DIMENSION IS FOR REFERENCE.
- 本製品は仕様書NO. 10-07に基づく。
THIS PART CONFORMS TO MOLEX PRODUCT SPEC. NO.10-07
- △トレードマーク：MOLEX プラス1文字の製造国を示すアルファベットにて構成。
(例：I =アイルランド)
TRADE MARK FORMED BY MOLEX AND I MORE LETTER OF ALPHABET WHICH MEAN THE MANUFACTURING COUNTRY. (c.g. I=IRELAND)
- 19から28極は標準品ではありません。
19-28 CIRCUITS ARE NON-STANDARD.
- 一般公差：±0.4
GENERAL TOLERANCES:±0.4

角度 ANGLE	±3°																			
30以上 OVER	+0.3																			
10以上 OVER 30未満 UNDER	+0.25																			
10未満 UNDER	+0.2																			
一般公差 GENERAL TOLERANCES		V	新規作成 RELEASED (JC80224)	Y.K	Y.M	97/09/18	日付 DATE	CHK'D BY Y.MIZUNO	尺 SCALE											
		記号 LTR	変更内容 REVISION RECORD	DR.	CHK.	日付 DATE														

材料 MATERIAL ナイロン6/6, UL94V-0 NYLON6/6, UL94V-0	 MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社
仕上げ FINISH	
適用電線範囲 WIRE RANGE	REVISE ONLY ON CAD SYSTEM
被覆外径 INS. RANGE	TITLE 名称 HOUSING ,KK (2.54)/.100 CRIMP TYPE ,ANTI FISH-HOOKING TERMINAL WITH LOCKING RAMP
DRAWN BY '97/09/18 Y.KANNO	DWG. NO. SHEET 2 OF 2 SDE-6471-N*-*
CHK'D BY '97/09/19 Y.MIZUNO	REV V
APP'D BY '97/09/19 M.FUKUSHIMA	