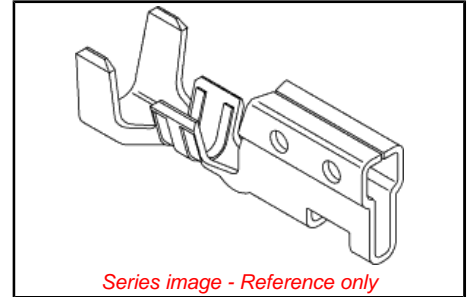


Part Number: [0008701030](#)
Status: **Active**
Overview: SPOX™ BMI
Description: SPOX™ Crimp Terminal 5194, 18-24 AWG, Brass, Bag



General

Product Family	Crimp Terminals
Series	5194
Overview	SPOX™ BMI
Product Name	SPOX™

Physical

Gender	Female
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Packaging Type	Bag
Plating min: Mating (µin)	35
Plating min: Mating (µm)	0.88
Plating min: Termination (µin)	35
Plating min: Termination (µm)	0.88
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.30-3.20mm (.051-.126")
Wire Size AWG	18
Wire Size AWG	20
Wire Size AWG	22
Wire Size AWG	24
Wire Size mm²	N/A

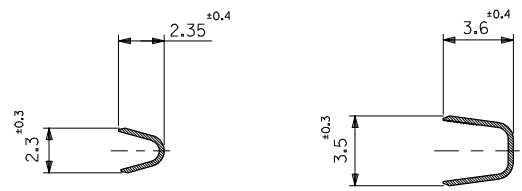
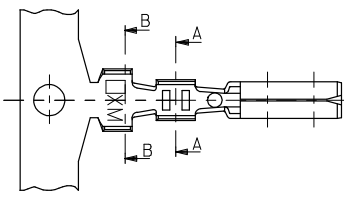
Electrical

CSA	LR19980
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Material Info

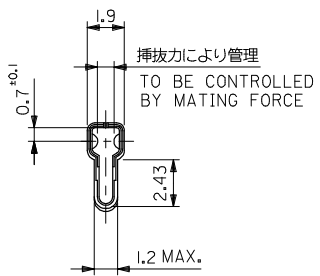
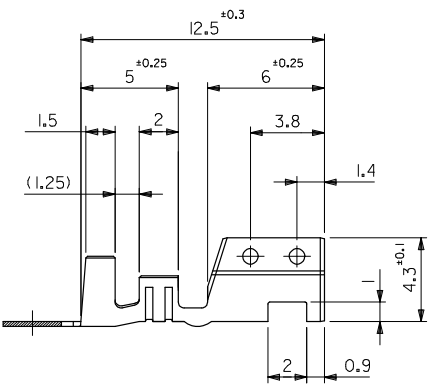
Old Part Number	5194TL
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10 9 8 7 6 5 4 3 2 1



断面 A-A
SECT.A-A

断面 B-B
SECT.B-B



挿抜力により管理
TO BE CONTROLLED
BY MATING FORCE

注記
NOTES

- 1. 適合ハウジング : 5195-N* , 5196-N*
APPLICABLE HOUSING 5197-N* , 5198-N*
5199-N*

鍍メツキ済 リン青銅 PRE-TINNED PHOSPHOR BRONZE	Sn : 0.9% MIN	39-00-0022	5194PBTL	バラ状 LOOSE
		39-00-0021	5194PBT	連鎖状 CHAIN
鍍メツキ済 真鍮 PRE-TINNED BRASS	Sn : 0.9% MIN Cu : 0.5% MIN	08-70-1030	5194TL	バラ状 LOOSE
		08-70-1031	5194T	連鎖状 CHAIN
材料 MATERIAL	表面処理 FINISH	EDP NO.	ENG. NO.	端子形状 FORM

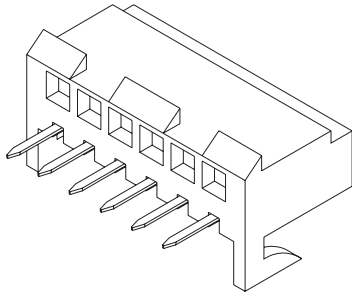
材料 MATERIAL	表参照 SEE TABLE 板厚: 0.254 (t=0.254)
仕上げ FINISH	表参照 SEE TABLE
適用電線範囲 WIRE RANGE	AWG #18-#24
被覆外径 INS. RANGE	φ1.3 - φ3.2

REVISED	EC NO: J2008-3351	2008/03/21	DRW:NMBEL	2008/03/24	CHKD:THARYAMA	2008/03/24	APPR:NIKIITA	2008/03/24
DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)							
	10 UNDER	±0.2						
	10 OVER 30 UNDER	±0.25						
	30 OVER	±0.3						
	ANGULAR	±3 °						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
DRAWN BY K.HASHIMOTO	DATE '96/05/21	TITLE SPOX CRIMP RECEPTACLE		
CHECKED BY S.KUNISHI	DATE '98/07/07			
APPROVED BY M.FUKUSHIMA	DATE '98/07/07			
MATERIAL NO.	SEE TABLE	DOCUMENT NO. SD-5194-001		
SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

3.96mm (.156") Pitch KK® PC Board Connector

2145/3215
Bottom Entry



Features and Benefits

- Sizes 2 to 15 circuits
- Mating headers must be long enough to accommodate board thickness
- Polarizing key available
- Available without hooks (contact Molex)
- Various tail lengths available

Reference Information

Packaging: Bag
 UL File No.: E29179
 CSA File No.: LR19980
 Mates With: Molex KK 3.96mm (.156") locking headers or 1.14mm (.045") pins
 Designed In: Inches

Electrical

Voltage: 250V AC
 Current: 5.0A max.*
 Contact Resistance: 6 milliohms max.
 Dielectric Withstanding Voltage: 1500V AC
 Insulation Resistance: 50K Megohms min.

Physical

Housing: Nylon, UL 94V-2
 (see 41815 for polyester, UL 94V-0)
 Contact: Brass or Phosphor Bronze
 Plating: See Table
 Operating Temperature: 0 to +75°C

	Order No.
Polarizing Key	15-04-0297

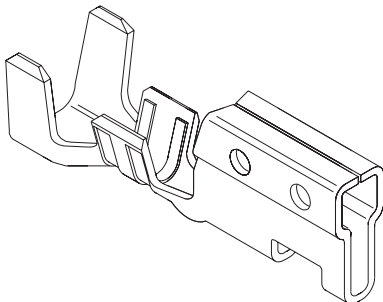
Circuits	Order No.						Center Hook(s) Location
	2145			3215†			
	Tin	Select Gold	Lead-free	Tin	Select Gold	Lead-free	
2	09-62-6024	09-62-3022	Yes				
3	09-62-6034	09-62-3032			26-11-6035	26-29-1031	
4	09-62-6044	09-62-3042			26-11-6045	26-29-1041	
5	09-62-6054	09-62-3052			26-11-6055	26-29-1051	
6	09-62-6064	09-62-3062			26-11-6065	26-29-1061	
7	09-62-6074	09-62-3072			26-11-6075	26-29-1071	
8	09-62-6084	09-62-3082			26-11-6085	26-29-1081	
9	09-62-6094	09-62-3092			26-11-6095	26-29-1091	(1) between circuits 4-5
10	09-62-6104	09-62-3102			26-11-6105	26-29-1101	(1) between circuits 5-6
11	09-62-6114	09-62-3112				26-29-1111	
12	09-62-6124	09-62-3122			26-11-6125	26-29-1121	(2) between circuits 4-5 and 8-9
13	09-62-6134	09-62-3132				26-29-1131	
14	09-62-6144	09-62-3142				26-29-1141	
15	09-62-6154	09-62-3152			26-11-6155	26-29-1151	(2) between circuits 5-6 and 10-11

* Dependent upon PC board

† Preferred version in Europe and the Far East

3.96mm (.156") Pitch Macro-SPOX™ Crimp Terminal

5194/5225
Spring Box



Features and Benefits

- Four-point contact
- Anti-fishhooking contact design

Reference Information

Packaging: Reel or bag
 Tooling Information: See end of section
 Use With: 5195-N, 5196-N, 5197-N, 5198-N,
 5199-N and 43061 housings
 Designed In: Millimeters

Electrical

Voltage: 250V
 Current:
 5194—7.0A max. (Brass) or 5.0A (Phosphor Bronze)
 5225—4.0A max.
 Contact Resistance: 10 milliohms max.
 Dielectric Withstanding Voltage: 1500V AC/1 min.
 Insulation Resistance: 1000 Megohms min.

Physical

Contact: Brass and Phosphor Bronze
 Plating: Tin
 Operating Temperature: -40 to +105°C
 Wire Accommodation: 5194—18 to 24 AWG
 5225—22 to 28 AWG
 Strip Length: 3.0 to 3.5mm

Order No.	Contact Material	Terminal	Insulation Diameter	Lead-free
08-70-1031	Tin-Plated Brass	Reel	1.30-3.20mm	Yes
08-70-1030		Bag		
39-00-0021		Reel		
39-00-0022	Bag			
08-70-1029	Tin-Plated Phosphor Bronze	Reel		
08-70-1028		Bag		
	Tin-Plated Brass		1.20-2.60mm	

Recommended wire range assumes stranded wire

