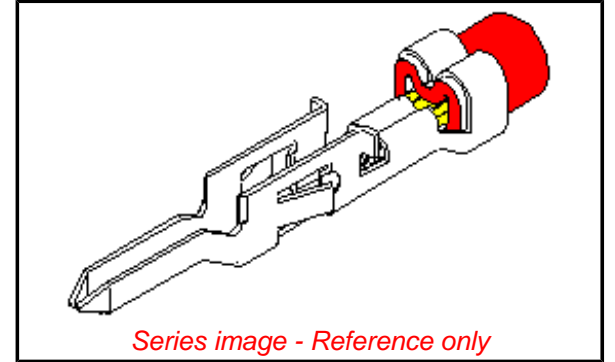


Part Number: [0039000220](#)
Status: **Active**
Description: 4.20mm (.165") Pitch Mini-Fit™ Crimp Terminal, Male, Phosphor Bronze, Gold (Au), 18-24 AWG, Bag



Series image - Reference only

General

Product Family	Crimp Terminals
Series	5558
Product Name	Mini-Fit®

Physical

Durability (mating cycles) min	100 cycles
Gender	Male
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Packaging Type	Bag
Plating min: Mating (µin)	30.4
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	81.2
Plating min: Termination (µm)	2.03
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.30-3.10mm (.051-.122")
Wire Size AWG	18
Wire Size AWG	20
Wire Size AWG	22
Wire Size AWG	24
Wire Size mm²	N/A

Electrical

Voltage - Maximum	600V
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Material Info

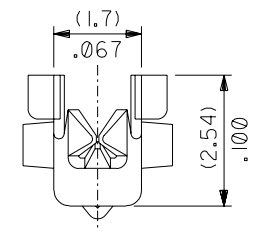
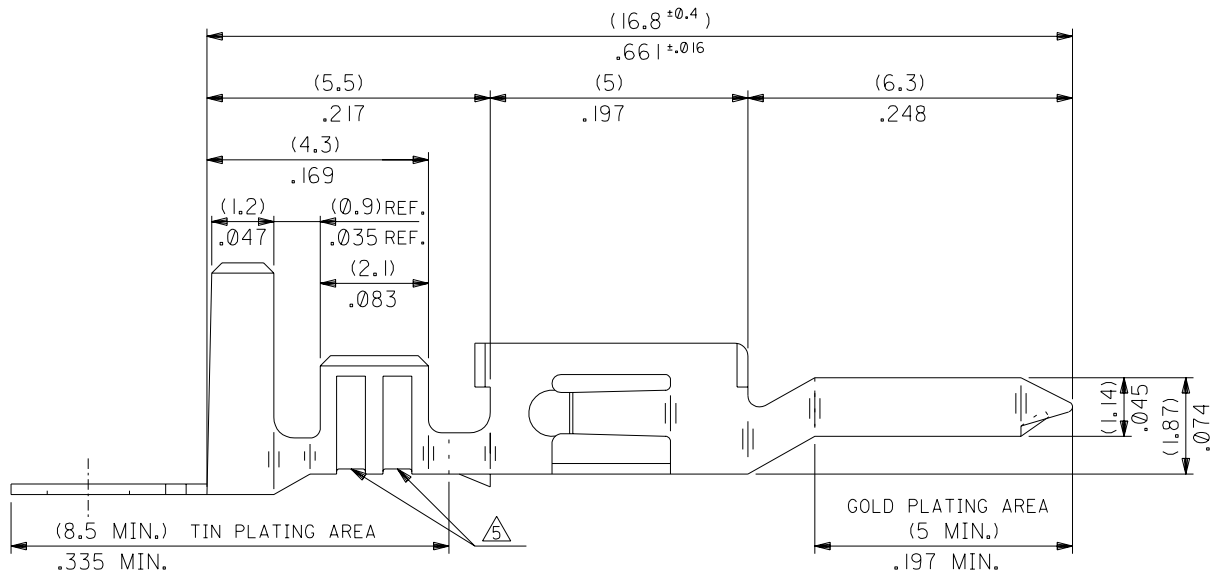
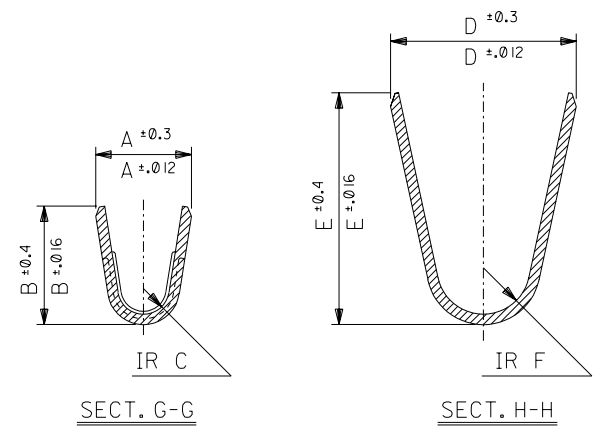
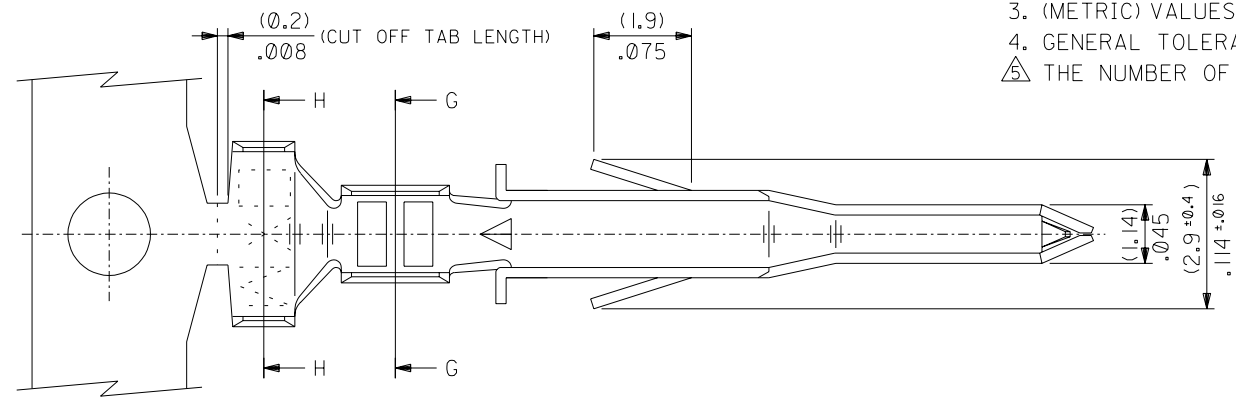
Old Part Number	5558PBGSL
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EU RoHS
ELV and RoHS
Compliant

China RoHS



- NOTES
1. APPLICABLE HOUSING : 5559 SERIES
 2. MATES WITH TERMINAL : 5556 SERIES
 3. (METRIC) VALUES SHOWN GOVERN OVER ENGLISH CONVERSION VALUES.
 4. GENERAL TOLERANCES OF ENGLISH CONVERSION VALUES : $\pm .008$ INCH
-  THE NUMBER OF SERRATIONS TO BE ONE FOR WIRE RANGE #22-28.



		材料 MATERIAL		SEE SHEET 2 OF 2	 MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社		
		仕上げ FINISH		SEE SHEET 2 OF 2	EDP. NO. SEE SHEET 2 OF 2		
		適用電線範囲 WIRE RANGE		SEE SHEET 2 OF 2	ENG. NO. SHEET 1 OF 2 REV D		
		被覆外径 INS. RANGE		SEE SHEET 2 OF 2	SD-5558**GS**		
角度 ANGLE $\pm 3^\circ$ 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		D REVISED (J2004-3266) C REVISED (J10381) B REVISED & REDRAWN (J10202) 記号 REVISION RECORD	Y.S. K.T. H.H. H.H. DR. CHK.	04/48 9/16/25 9/14/27 日付 DATE	DRAWN BY '91/3/13 H.HIRAMOTO APP'D BY '92/05/21 M.ENOMOTO CHK'D BY '92/05/21 M.FUKUSHIMA 尺度 SCALE 10 - 1	TITLE 名称 NEW MINI. FIT CONN. CRIMP PIN -LEAD FREE-	
REVISION RECORD				REVISE ONLY ON CAD SYSTEM			

ENG. NO
SD-5558**GS**

SEE CHART

DIMENSIONS IN METRIC DO NOT SCALE DRAWING

8 7 6 5 4 3 2 1

MATERIAL	FINISH	F	E	D	C	B	A	INS. RANGE	WIRE RANGE	EDP NO.	MATERIAL NO.	FORM	
PHOSPHOR BRONZE	SELECTIVE GOLD (0.76μm)/30m.i. MIN. AND SELECTIVE TIN (2.03μm)/80m.i. MIN. OVER NICKEL (1.27μm)/50m.i. MIN.	(0.9) .035	(4.5) .177	(3.6) .142	(0.6) .024	(2.7) .106	(2.3) .091	∅ (3.1) .122 MAX.	# 16	39-00-0224	5558 PBGS3L	LOOSE	
		(0.6) .024	(2.3) .091	(2.3) .091	(0.4) .016	(1.65) .065	(1.8) .071	∅ (0.9-1.8) .035-.071	#22-28	-0223	PBGS3	CHAIN	
		(0.9) .035	(4.5) .177	(3.6) .142	(0.5) .020	(2.3) .091	(1.9) .075	∅ (1.3-3.1) .051-.122	# 18-24	-0222	PBGS2L	LOOSE	
		(0.6) .024	(2.3) .091	(2.3) .091	(0.4) .016	(1.65) .065	(1.8) .071	∅ (0.9-1.8) .035-.071	#22-28	-0221	PBGS2	CHAIN	
		(0.9) .035	(4.5) .177	(3.6) .142	(0.5) .020	(2.3) .091	(1.9) .075	∅ (1.3-3.1) .051-.122	# 18-24	-0220	PBGS1	LOOSE	
		(0.6) .024	(2.3) .091	(2.3) .091	(0.4) .016	(1.65) .065	(1.8) .071	∅ (0.9-1.8) .035-.071	#22-28	-0219	PBGS	CHAIN	
	BRASS	SELECTIVE GOLD (1.27μm)/50m.i. MIN. AND SELECTIVE TIN (2.54μm)/100m.i. MIN. OVER NICKEL (1.27μm)/50m.i. MIN.	(0.9) .035	(4.5) .177	(3.6) .142	(0.6) .024	(2.7) .106	(2.3) .091	∅ (3.1) .122 MAX.	# 16	-0148	GS9L	LOOSE
			(0.6) .024	(2.3) .091	(2.3) .091	(0.4) .016	(1.65) .065	(1.8) .071	∅ (0.9-1.8) .035-.071	#22-28	-0147	GS9	CHAIN
			(0.9) .035	(4.5) .177	(3.6) .142	(0.5) .020	(2.3) .091	(1.9) .075	∅ (1.3-3.1) .051-.122	# 18-24	-0146	GS8L	LOOSE
			(0.6) .024	(2.3) .091	(2.3) .091	(0.4) .016	(1.65) .065	(1.8) .071	∅ (0.9-1.8) .035-.071	#22-28	39-00-0145	GS8	CHAIN
			(0.9) .035	(4.5) .177	(3.6) .142	(0.5) .020	(2.3) .091	(1.9) .075	∅ (1.3-3.1) .051-.122	# 18-24	40-13-0854	GS7L	LOOSE
			(0.6) .024	(2.3) .091	(2.3) .091	(0.4) .016	(1.65) .065	(1.8) .071	∅ (0.9-1.8) .035-.071	#22-28	40-13-0853	GS7	CHAIN
SELECTIVE GOLD (0.38μm)/15m.i. MIN. AND SELECTIVE TIN (2.03μm)/80m.i. MIN. OVER NICKEL (1.27μm)/50m.i. MIN.		(0.9) .035	(4.5) .177	(3.6) .142	(0.6) .024	(2.7) .106	(2.3) .091	∅ (3.1) .122 MAX.	# 16	39-00-0100	GS6L	LOOSE	
		(0.6) .024	(2.3) .091	(2.3) .091	(0.4) .016	(1.65) .065	(1.8) .071	∅ (0.9-1.8) .035-.071	#22-28	-0099	GS6	CHAIN	
		(0.9) .035	(4.5) .177	(3.6) .142	(0.5) .020	(2.3) .091	(1.9) .075	∅ (1.3-3.1) .051-.122	# 18-24	-0098	GS5L	LOOSE	
		(0.6) .024	(2.3) .091	(2.3) .091	(0.4) .016	(1.65) .065	(1.8) .071	∅ (0.9-1.8) .035-.071	#22-28	-0097	GS5	CHAIN	
		(0.9) .035	(4.5) .177	(3.6) .142	(0.5) .020	(2.3) .091	(1.9) .075	∅ (1.3-3.1) .051-.122	# 18-24	-0076	GS4L	LOOSE	
		(0.6) .024	(2.3) .091	(2.3) .091	(0.4) .016	(1.65) .065	(1.8) .071	∅ (0.9-1.8) .035-.071	#22-28	-0075	GS4	CHAIN	
SELECTIVE GOLD (0.76μm)/30m.i. MIN. AND SELECTIVE TIN (2.03μm)/80m.i. MIN. OVER NICKEL (1.27μm)/50m.i. MIN.	(0.9) .035	(4.5) .177	(3.6) .142	(0.6) .024	(2.7) .106	(2.3) .091	∅ (3.1) .122 MAX.	# 16	-0096	GS3L	LOOSE		
	(0.6) .024	(2.3) .091	(2.3) .091	(0.4) .016	(1.65) .065	(1.8) .071	∅ (0.9-1.8) .035-.071	#22-28	-0095	GS3	CHAIN		
	(0.9) .035	(4.5) .177	(3.6) .142	(0.5) .020	(2.3) .091	(1.9) .075	∅ (1.3-3.1) .051-.122	# 18-24	-0433	GS2L7F	LOOSE		
	(0.6) .024	(2.3) .091	(2.3) .091	(0.4) .016	(1.65) .065	(1.8) .071	∅ (0.9-1.8) .035-.071	#22-28	-0432	GS27F	CHAIN		
	(0.9) .035	(4.5) .177	(3.6) .142	(0.5) .020	(2.3) .091	(1.9) .075	∅ (1.3-3.1) .051-.122	# 18-24	-0431	GSL7F	LOOSE		
	(0.6) .024	(2.3) .091	(2.3) .091	(0.4) .016	(1.65) .065	(1.8) .071	∅ (0.9-1.8) .035-.071	#22-28	39-00-0430	5558 GS7F	CHAIN		

材料 MATERIAL		SEE CHART		MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
THICKNESS : (0.203)/.008					
仕上げ FINISH		SEE CHART		EDP. NO.	
適用電線範囲 WIRE RANGE		SEE CHART		SEE CHART	
被覆外径 INS. RANGE		SEE CHART		ENG. NO. SHEET 2 OF 2 REV D	
DRAWN BY '91/3/13 H.HIRAMOTO		CHK'D BY '92/05/21 M.FUKUSHIMA		TITLE 名称	
APP'D BY '92/05/21 M.ENOMOTO		尺 度 SCALE 10 - 1		NEW MINI. FIT CONN. CRIMP PIN -LEAD FREE-	

角度 ANGLE	±3°	D	SEE SHEET 1 OF 2	Y.S	04/4/8
30 以上 OVER	+0.3	C	SEE SHEET 1 OF 2	H.H	9/16/25
10 以上 OVER 30 未満 UNDER	+0.25	B	SEE SHEET 1 OF 2	H.H	9/14/27
10 未満 UNDER	+0.2	A		Y.Y	
一般公差 GENERAL TOLERANCES			REVISION RECORD	DR. CHK.	日付 DATE