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**Part Number:** [0555161609](#)  
**Status:** **Active**  
**Description:** 1.25mm (.049") Pitch Small MGC (Multi-Ground Connector) Plug Housing

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-54678-007 \(PDF\)](#)

**General**

Product Family	I/O Connectors
Series	55516
Application	Wire-to-Board, Wire-to-Wire
Component Type	Plug
Product Name	Small MGC
Type	N/A

**Physical**

Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Gray
Durability (mating cycles max)	100
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Orientation	Vertical
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface (in)	0.049 In
Pitch - Mating Interface (mm)	1.25 mm
Plating min: Mating (µin)	4
Plating min: Mating (µm)	0.1
Plating min: Termination (µin)	80
Plating min: Termination (µm)	2
Polarized to Mating Part	Yes
Temperature Range - Operating	-20°C to +80°C
Termination Interface: Style	N/A

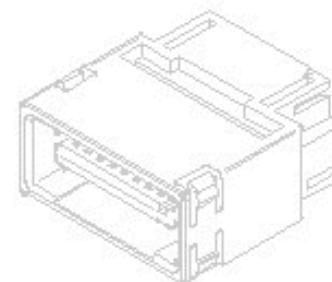
**Electrical**

Current - Maximum per Contact	1.5A
Voltage - Maximum	100V

**Material Info**

**Reference - Drawing Numbers**

Product Specification	PS-54678-007
Sales Drawing	SD-55516-005



*image - Reference only*

*Series*

**EU RoHS**

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

**China RoHS**



**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto: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**

55516Series

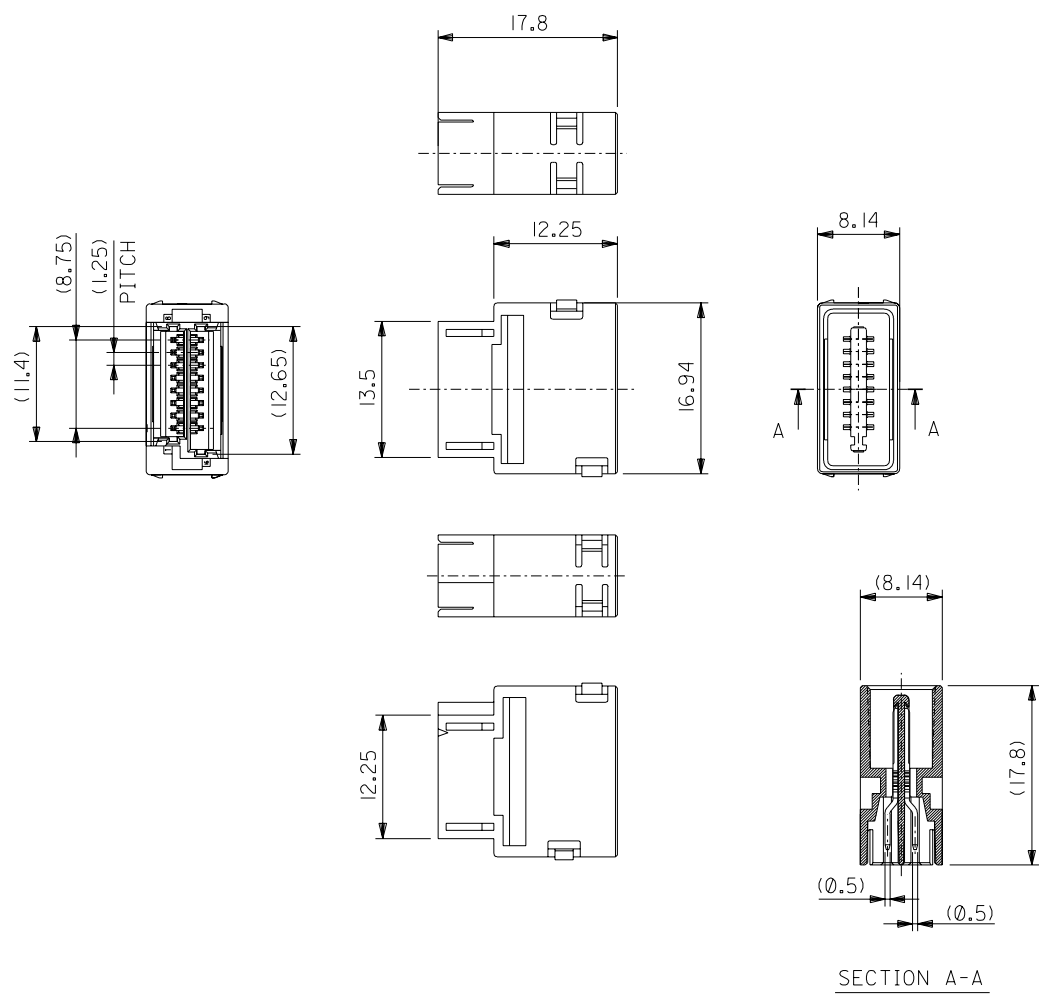
**Mates With**

54679 , 54678

**Use With**

54596

DWG. NO. SD-55516-005



注記  
NOTES

- 材質  
MATERIAL  
ハウジング：ガラス入りPBT UL94V-0グレー  
HOUSING :PBT,G.F,UL94V-0  
ターミナル：黄銅  
TERMINAL :BRASS
- メッキ仕様  
PLATING  
金メッキ：0.1μm MIN.(接点部)  
GOLD :0.1μm MIN.(CONTACT AREA)  
錫メッキ：1.0μm MIN.(リセプタクル嵌合部)  
TIN: 1.0μm MIN.(RECEPTACLE CONNECTED AREA)  
ニッケルメッキ：2.0μm MIN.(下地メッキ)  
NICKEL: 2.0μm MIN.(UNDER PLATING)
- 適合プラグカバー  
APPLICABLE PLUG COVER  
COVER A : 55513-1605, 55513-1615  
55513-1625, 55513-1635  
COVER B : 55514-1605
- 適合リセプタクル：54596-0810, 54596-0910  
APPLICABLE RECEPTACLE
- 本製品は 55516-1605 の鉛フリー品である。  
THIS PRODUCT IS LEAD FREE OF 55516-1605.

DO NOT SCALE DRAWING

EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. J2004-4286 DRWN: M.NABEI '04/05/18 CHK: K.TOJO APPR: M.SASAO	RELEASED	MATERIAL 材料 注記参照 SEE NOTES	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE 2-1	DESIGN UNITS <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH	THIRD ANGLE PROJECTION	55516-1609	55516-160*	
						FINISH 仕上げ 注記参照 SEE NOTES	10 UNDER 未満	±0.2	DRAWN BY & DATE M.NABEI '04/05/18	TITLE: SMALL-MGC PLUG INNER HS'G ASS'Y -LEAD FREE-	MATERIAL NO.	MODEL NO.	
						WIRE RANGE 適用電線範囲	10 OVER 30 UNDER 未満	±0.25	CHECKED BY & DATE K.TOJO '04/05/18		DIMENSIONS: <input type="checkbox"/> mm <input type="checkbox"/> INCH	SHT	REV
						INS. RANGE 被覆外径	30 OVER 以上	±0.3	APPROVED BY & DATE M.SASAO '04/05/18		<input type="checkbox"/> mm ONLY	REVISE ON CAD ONLY	
							ANGLE 角度	±3°	CAD FILENAME SD-55516-005.S01		MATERIAL NO. SEE CHART	DRAWING NO. SD-55516-005	SHEET NO. 1 OF 1
									THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			SIZE B	