



**THE DATASHEET OF  
10132797-065100LF**



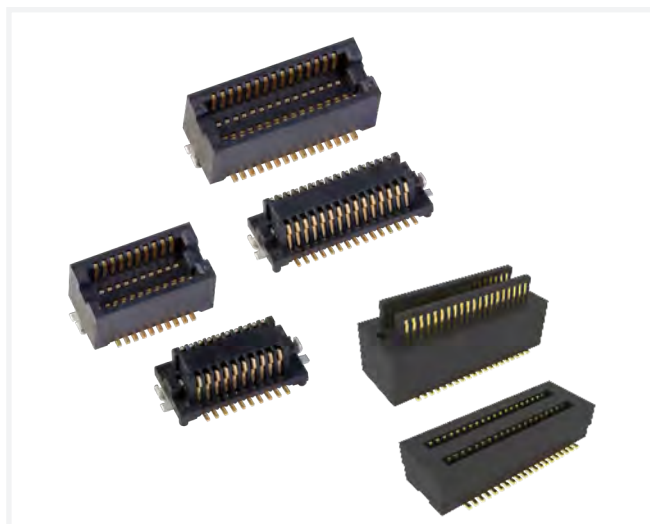
# BergStak® 0.5mm Mezzanine Connector

## Expanded product range

### RELIABLE SOLUTION FOR HIGH DENSITY APPLICATIONS

Amphenol's BergStak® 0.5mm is a comprehensive and versatile board-to-board solution designed for reliable and high-density applications. The unique design of scoop-proof housing ensures terminals are not damaged during mating.

- 0.5mm double row contact for high density connector
- Scoop-proof housing ensures terminals are not damaged during the mating
- PCB locator pegs option helps to ease manual assembly



#### TARGET MARKETS



#### FEATURES

- 0.5mm double row contact
- Scoop-proof housings
- Metal hold-down option
- Locating pegs option
- 3mm to 6mm stack heights in 0.5mm increments
- 10 to 80 positions in 10 position increments
- 7mm to 8.5mm stack heights in 0.5mm increments
- 10 to 100 positions in 10 position increments
- Available in UL94 V0
- USCAR-2 V1 shock and vibration qualified
- RoHS compliant and lead-free

#### BENEFITS

- High density connector
- Ensures terminals are not damaged during mating
- Higher retention force
- Eases manual assembly
- Wide range of sizes and stack heights supports different applications
- High flammability rating
- Suitable for automotive applications
- Meets environmental, health, and safety requirements

## TECHNICAL INFORMATION

### MATERIAL

- Housing: High temperature thermoplastic UL94V-0, LCP, Black
- Terminal: Copper Alloy
- Metal Hold-down: Copper Alloy
- Plating: Gold Flash

### MECHANICAL PERFORMANCE

- Mating Force: 1.47N per pin max.
- Unmating Force: 0.15N per pin min.
- Retention Force: 0.98N per pin min.
- Durability: 50 mating cycles
- Shock and Vibration: USCAR-2 V1

### ELECTRICAL PERFORMANCE

- Current Rating per Contact: 0.5A per contact with all pins powered
- Insulation Resistance: 500MΩ min.
- Voltage Rating: 50VAC
- Speed: Up to 2Gb/s

### ENVIRONMENTAL

- Salt Spray Test:
  - 5±1% salt concentration 48±4 hours 35±2°C
- Thermal Shock: -65°C to +125°C
- High Temperature: 85±2°C for 96 hours
- Humidity:
  - Temperature: 40±2°C 96 hours
  - Relative Humidity: 90-95%
  - Duration: 96 Hours

### SPECIFICATIONS

- 10132797/10132798: GS-12-1298
- 10165430/10165431: GS-12-1953

### PACKAGING

- Tape & Reel

### TARGET MARKETS/APPLICATIONS



Digital Video Camera



Measurement Equipment  
Mobile Payment Device  
Point of Sales Equipment  
Portable Industrial Terminal  
Surveillance Camera

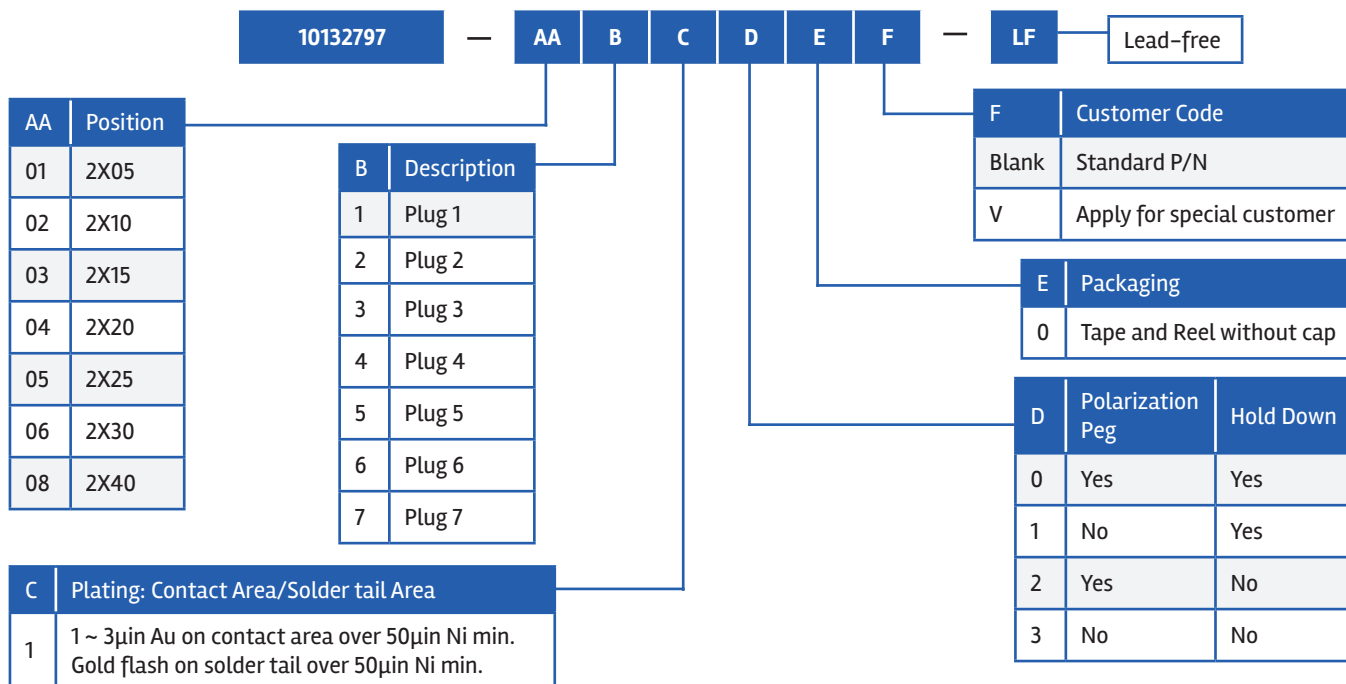


Medical Device

## PART NUMBERS – 3–6MM HEIGHT

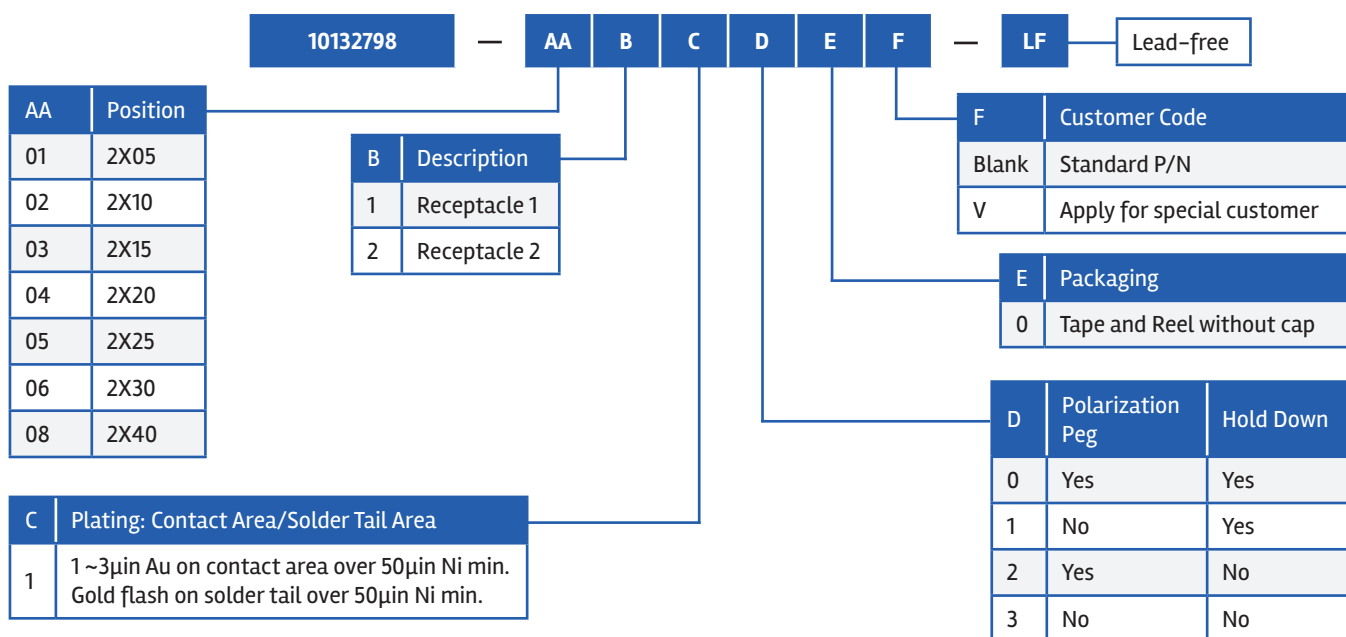
### PART NUMBER SELECTOR – HEADER

Find part number details using the search box on [www.amphenol-cs.com](http://www.amphenol-cs.com)

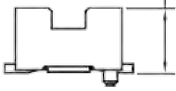



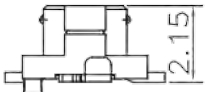
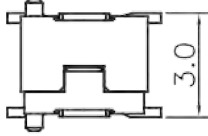

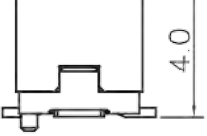







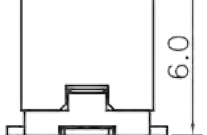


### PART NUMBER SELECTOR – RECEPTACLE

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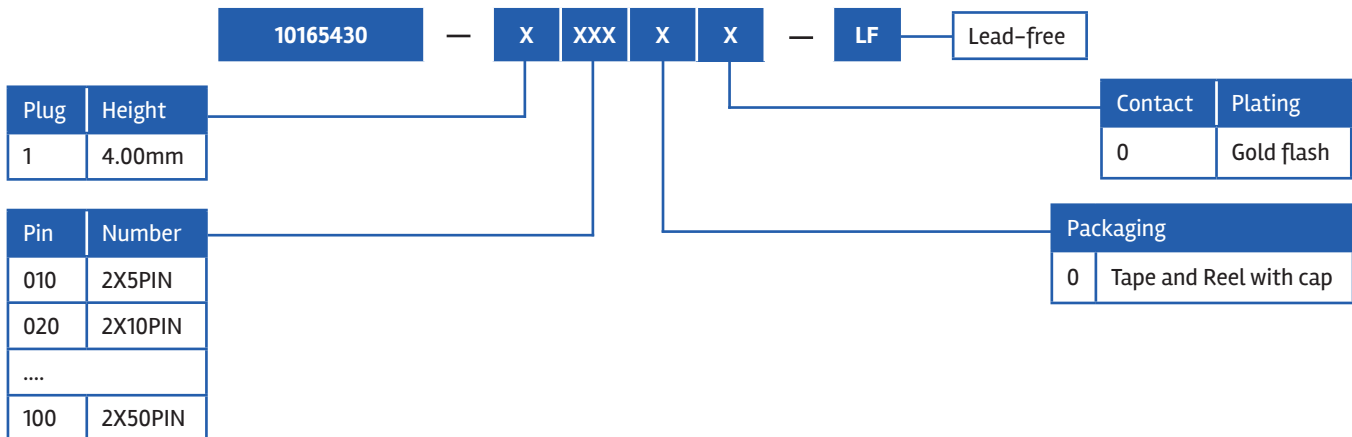
## AVAILABLE STACK HEIGHTS

		10132797 SERIES (PLUG SERIES)			
10132798 SERIES (REC. SERIES)	COMBINATION OF MATED HEIGHT 3.0~4.5mm	Plug 1 	Plug 2 	Plug 3 	Plug 4 
	Recep 1 				
	COMBINATION OF MATED HEIGHT 5.0~6.0mm	Plug 5 	Plug 6 	Plug 7 	/
	Recep 2 				

## PART NUMBERS – 7–8.5MM HEIGHT

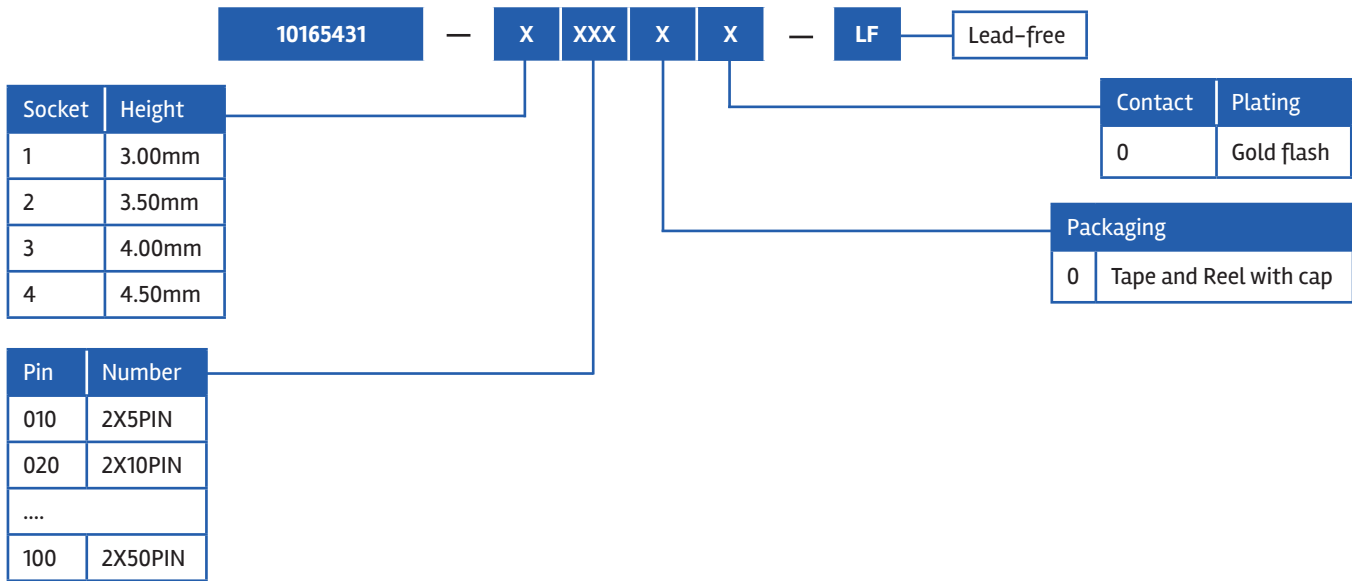
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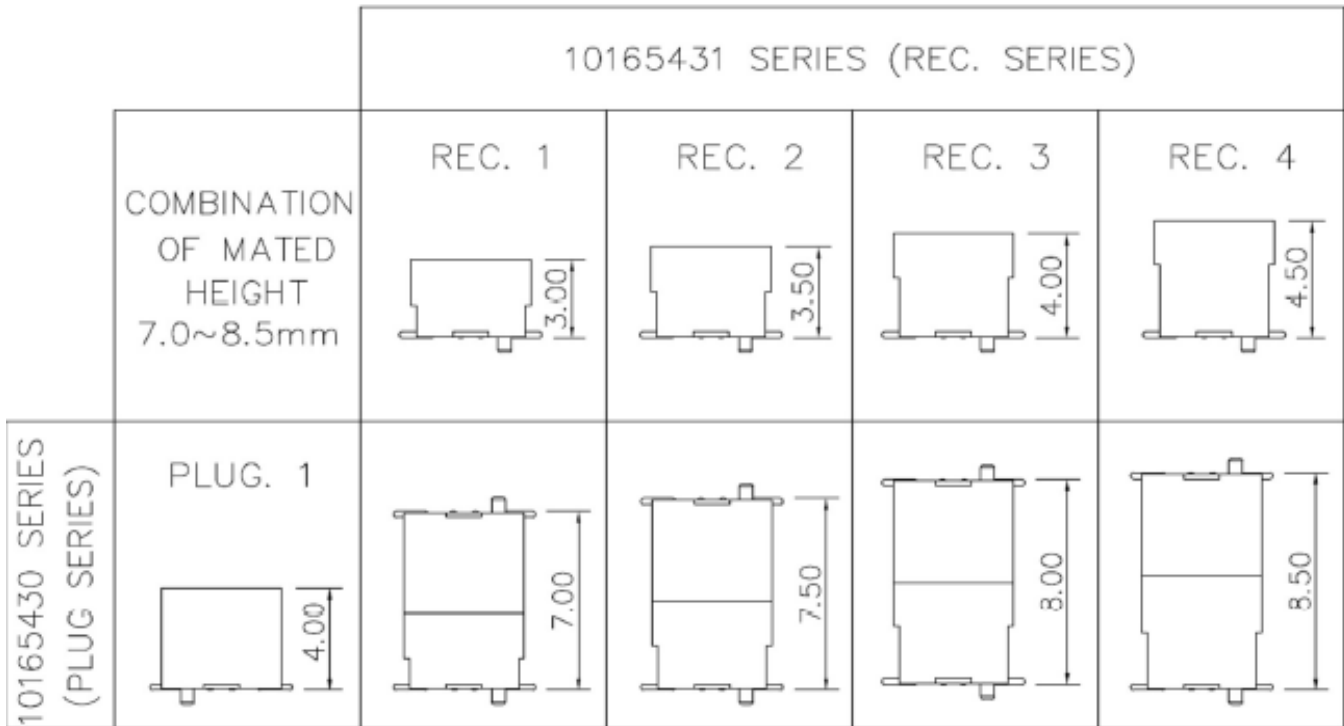


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## AVAILABLE STACK HEIGHTS



BWBBERG0524E44

## Looking for pricing, stock, or lifecycle information?

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-  Shortage Management
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