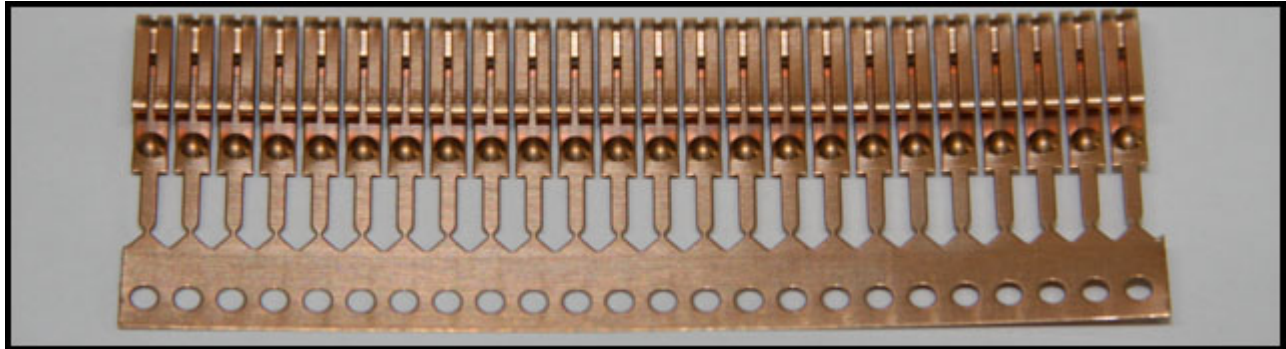


Product Description: *This edge card connector is used for stoplights.*



At Gerhart Stamping we specialize in high volume precision die stamping. The component shown here was designed for use as an edge card contact in a low profile connector for a stop light system. We are contracted by this client to produce 13 million of these components annually. A run of this volume requires high speed stamping capabilities; production was performed utilizing a reel to reel system. This provides some of the high speed aspect and also allows for selective gold plating. The connector is composed of .007" thick, CA521 phosphor bronze, and required tolerances of $\pm .003$ " throughout the production run. Our processes employ various quality control measures including a vision system, certified calibrated micrometers, and an optical comparator. Deliveries are made to this customer based on purchase order release dates, all which include applicable Material Certifications and Certificate of Conformance. For more information on this project, or to learn about all of our precision die stamping capabilities, please see table below or [contact us](#) directly.

Precision Progressive Die Stamping Capabilities Applied/Processes

- Primary:
 Die Design & Build
 Progressive Die Stamping
 Secondary:
 Special Packaging
- Reel-to-Reel
- Special Process
- Automatic Packaging for Accurate Count and Protection of Parts

Equipment Used to Manufacture Part

30 Ton Bruderer

Overall Part Dimensions

.085" x .562" (Excluding Carrier)

Tightest Tolerances	±.001”	
Material Used	.007” Thick CA521 Phosphor Bronze	
In process testing/inspection performed	Vision System Optical Comparator Micrometer First Article Inspection (FAI) Race Track for Critical Dimensions Batch Sample Retention Sensored for Die Protection Raw Material Certification Certificate of Conformance (COC)	
Industry for Use	Electronics	
Volume	13,000,000 Annually	
Delivery/Turnaround Time	Purchase Order Release Dates	
Delivery Location	USA	
Standards Met/Directives Met	ISO 9001	REACH
	QMI-SAI Global	ASTM
	ANAB	MIL-SPEC
	RoHS	Dodd-Frank
	DFARS	(Conflict Materials Act)
Product Name	Low Profile Contact	
File Format	SolidWorks	

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