



# custom CONNECTORS



## Custom Connectors Overview

Connect with Us . . . Experience Makes the Difference

## Our Capabilities

We have been designing and manufacturing interconnect products for over 40 years. Today we supply a wide variety of products to customers across the globe. We understand our markets and customers and provide off-the-shelf and customised products manufactured to the highest quality standards. Our Experience Makes the Difference.

## Custom Design

At EDAC we pride ourselves on our flexible approach to making standard connectors into custom connectors to meet specific customer requirements. It's what makes us 'Stand out from the Crowd'!

We can manufacture 'made-to-spec' product where an off-the-shelf product doesn't meet customer requirements. We are also able to move fast – from concept into production in just 12 weeks, with prototypes as quick as 4 weeks.

We have experienced Engineering Teams ready to build a specification and produce drawings. Options are also available for soft tooling samples.

## Why are Custom Solutions required?

Some of the possible reasons are:

### Security

- Quick release system where there is a trip hazard
- Unique non-standard connector required to prevent non-approved cable insertion
- Polarised or 'keyed' system to prevent mis-mating
- Locking system for prevention of unauthorised removal

### Custom Logo

- Customer specific logo moulded into the connector housing. Custom insulator colours are also possible

### Proprietary Design

- Proprietary Design where a customer wishes to use their own design
- Non standard connector or cable assembly not readily available through standard channels

### Special Sealing / Size Limitation

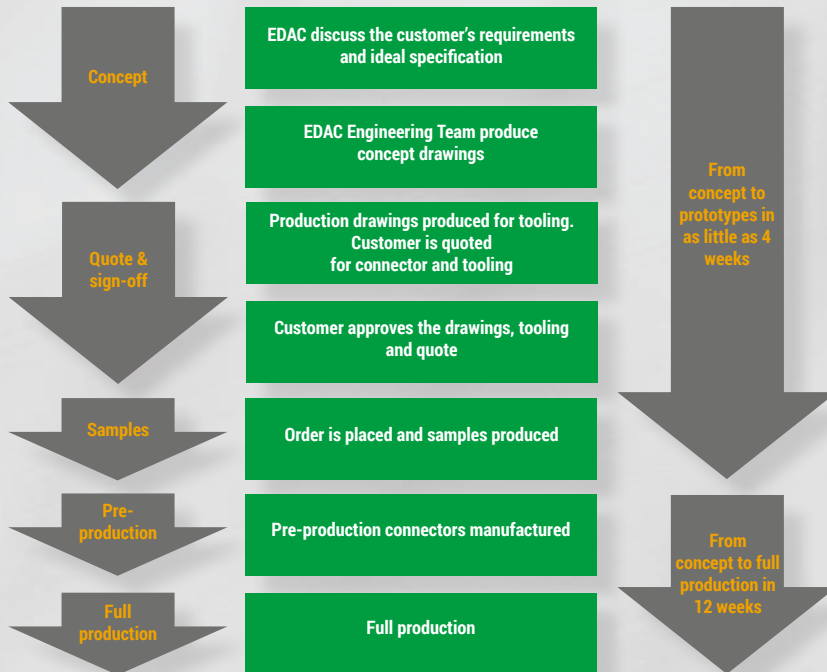
- Sealing for harsh environments
- Unusual or constrained spaces where standard products will not fit

### Special Technical Requirements

- Voltage requirements beyond standard ratings
- High temperature plastics to withstand non-standard temperatures
- Moulded strain relief

EDAC has the unique ability to manufacture alternatives to obsolete parts – there is no need to accept a PDN. We are focussed on solving problems and supplying solutions to ensure that you get the right product for the right job.

## Made to Spec: The 5 Steps to Customisation

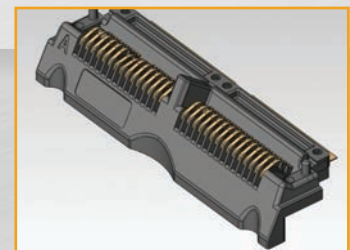


### Case Study 2 - 45° Dual Card Edge Connector

**Application:** Money notes collector – gaming machines

**THE PROBLEM:** Our customer needed an improved contact design and resistance to humidity, with a substantial cost saving.

**THE SOLUTION:** We produced a superior insulator design which resulted in increased durability with vibration and shock resistance. The connector offered better dielectric withstanding voltage and temperature cycling, at a realistic price.



### Case Study 1 – Male & Female Press-Fit Connector

**Application:** Alternative Energy Generation: Control Bus

**THE PROBLEM:** As manufacturers of hard to access alternative energy generation units the cost to send service engineers should there be a problem was extremely high. They needed ultra-reliable connectors.

**THE SOLUTION:** Heavy gold plating on active parts for interconnection consistency. Press-fit tails were incorporated into the contact design which saved on assembly time and EDAC's special hermaphroditic 'tuning fork' contact design provided a dependable connection.



EDAC has the unique ability to manufacture alternatives to obsolete parts – there is no need to accept a PDN. We are focussed on solving problems and supplying solutions to ensure that you get the right product for the right job and the investment in getting the connector you need is lower than you think.





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