

## Tape Splicing

IQD have recently begun offering a tape splicing service. This means that the tape used to hold components can be joined. It can be done either to add components to a reel, or to create smaller reel sizes by adding the leader and follower to the tape.

This service can be offered for most standard products, but for some non-stock items we may not hold the correct pocket tape in the warehouse.

### How it works

The two butt ends of the pocket tape are joined using a metal staple, the cover tape is joined using a sticker (See Figure 1 & 2).

This process conforms to EIA-481

### Which system are IQD using?

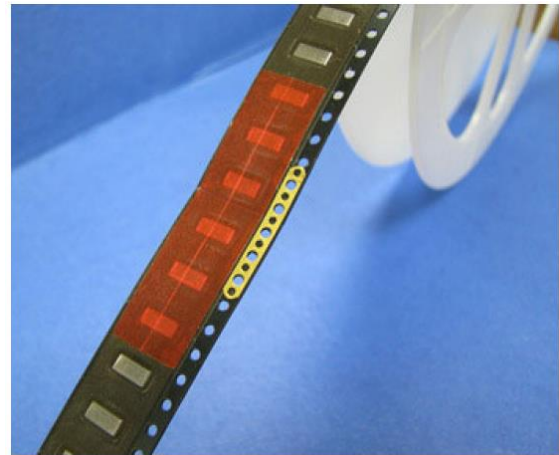
There are many tape splicing systems available. IQD have invested in equipment and training to use the Splice Tool-Stapler Type (CST-010) system made by M.A.O Co., Ltd (See Figure 3). This is the same system used by our parent company Wurth Elektronik.

### Our procedure

We feel it is important that customers are aware that the product will be packaged on a spliced tape. Therefore, IQD will offer this service only in agreement with the customers and they will be asked to sign a concession stating willingness to accept product on spliced tape.

### Conformity with EIA-481

For all IQD's products which are sold on tape and reel, the packaging conforms to the standard EIA-481, the *Electronic Industries Association Standard Number 481: 8mm through 200mm Embossed carrier taping and 8mm & 12mm punched carrier taping of surface mount components for automatic handling* (See Figure 4 & 5).



Our tape splicing system conforms with all requirements of EIA-481.

Specifically:

EIA-481 Table 2 defines pocket tape maximum thickness, T max: 0.6mm

EIA-481 Table 2 defines the cover tape maximum thickness, T1 max: 0.1mm

Our tape splicing system meets these requirements.

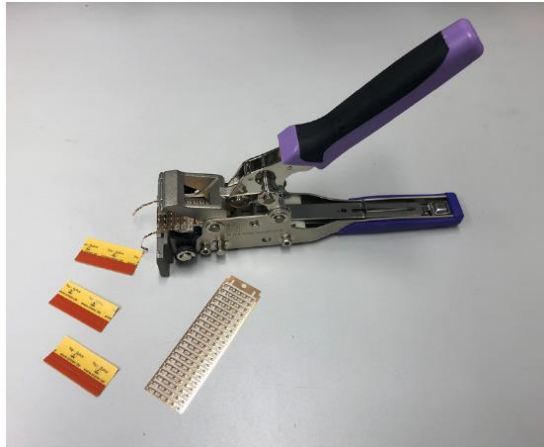
**Figure 1 – Tape joined using a metal staple**



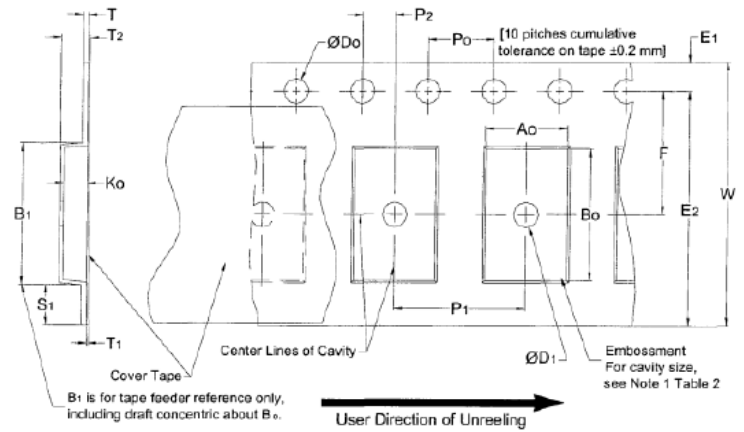
**Figure 2 – Cover tape joined using a sticker**



**Figure 3 – Splice Tool-Stapler Type (CST-010)**



**Figure 4 – 8mm, 12mm, 16mm & 24mm embossed carrier tape dimensions**



**Figure 5 – 8, 12, 16 & 24 embossed carrier dimension**

**Constant (for 2 or more widths) Dimensions**

Tape Size	D <sub>0</sub>	D <sub>1</sub> Min.	E <sub>1</sub>	P <sub>0</sub>	P <sub>2</sub>	R Ref. See Note 2	S <sub>1</sub> Min. See Note 3	T Max.	T <sub>1</sub> Max.
8 mm	1.5 +0.1 -0.0	1.0	1.75 ±0.1	4.0 ±0.1	2.0±	25	0.6	0.6	0.1
12 mm					0.05				
16 mm		1.5			2.0±				
24 mm					0.1				