

Request material supplies

Customer information on material provision

Material provision

- Generally: complete provision of all parts list items as a provision set. Individual items only in exceptional cases (not procurable by the deadline, special design).
- Order and material provision at the latest ten working days before the delivery date (a delivery bill for material provision does not constitute an order).
- Delivery bill with the following information per item:
 - Target number, actual number, description, value, return delivery, remainder yes/no
- Unique identification per item by value and/or reference according to parts list. Unmarked positions cause additional expenses.
- The material delivery is to be packed separately for:
 - o SMD and through-hole material
 - o different assemblies
- Provided sets are not counted in our goods I/O for delivery and return. Errors are therefore only visible at the machine / workstation (additional costs).
- No loose SMD components (additional costs)
- In the case of automatic assembly, the additional technological requirements and an offset for the start of the belt must be particularly taken into account for C-articles:

technological additional requirement (TMB)	Number >10,000 pcs.	2%
	Number 500 ... 5,000 pcs.	5%
	Quantity <100 pcs.	10%
Offset for belt start (per setup)		20 pieces

The required number per position can be calculated according to:
 $necNumber = (1 + TMB) * Quantity + Offset$
Items provided in a smaller number cause additional expenses.
- Through-hole components usually require additional masking and thus cause additional costs.
- LPs or panels should have a 5 mm wide LP edge on two parallel sides for the transport rails in the automatic machines. This edge must not contain any SMD components or fiducials. If necessary, the LP or panel can be widened by an additional 5 mm wide receptacle edge on both sides (scored or milled with land).
- Each LP should contain 3 registration marks. Shape: cut-out square with a filled dot (dm 1 mm). Arrangement: diagonally top left, bottom right, third registration mark as desired, each at least 5 mm from the edge.
- Additional expenses incurred will be invoiced unless otherwise agreed.

Unmarked provision	10.00 €/pos.
Provision not suitable for machine	20.00 €/pos.
Missing additional technological requirement SMD	20.00 €/pos.
Missing through-hole components	10.00 €/pos.

The actual procedure may deviate from these regulations if necessary. However, please note that experience has shown that this is a potential source of manufacturing and quality problems