



All rates are subject to change depending on many different factors, but these are the standard rates.

2021 Standard Shop Rates:		
Service	Description	Fee
Electronics Design	Hourly (15 Min Increments)	\$139.00/hr
Design Review Services	Hourly (15 Min Increments)	\$139.00/hr
Firmware Services (Design)	Hourly (15 Min Increments)	\$139.00/hr
Prototyping Services (< 25 Units):		
Service	Description	Fee
Setup Charge	Billed Per BOM Line	\$10.00 Per Line
Consignment Fee	Billed Per Piece of Cut Tape	\$5.00 Per Piece
Parts Cost Markup	Based On Cost of Each Part	130% (30% Markup)
Placement Costs	Passives 0201 and Smaller	Additional Quoting Required
	Two Lead Passives (0402)	\$0.50 Per Placement
	Two Lead Passives (0603 and Larger)	\$0.40 Per Placement
	SOT-23-X and Similar	\$0.40 Per Placement
	SOIC-X and QFP-X (P>0.50mm)	\$0.75 Per Placement
	SOIC-X and QFP-X (P<0.50mm)	\$1.00 Per Placement
	QFN-X (P>0.50mm)	\$1.00 Per Placement
	QFN-X (P<0.50mm)	\$1.25 Per Placement
	Through Hole Parts	\$0.10 Per Pad
	Non-Standard Parts	Additional Quoting Required
Function Testing Services	Billed in Single Minute Increments	\$2.15 Per Minute Per Unit
Production Manufacturing Services (25 < X < 1000 Units):		
Service	Description	Fee
Setup Charge	Billed Per BOM Line	\$5.00 Per Line
Consignment Fee	Billed Per Piece of Cut Tape	\$5.00 Per Piece
Parts Cost Markup	Based On Cost of Each Part	130% (30% Markup)
Placement Costs	Passives 0201 and Smaller	Additional Quoting Required
	Two Lead Passives (0402)	\$0.25 Per Placement
	Two Lead Passives (0603 and Larger)	\$0.20 Per Placement
	SOT-23-X and Similar	\$0.25 Per Placement
	SOIC-X and QFP-X (P>0.50mm)	\$0.50 Per Placement
	SOIC-X and QFP-X (P<0.50mm)	\$0.75 Per Placement
	QFN-X (P>0.50mm)	\$0.65 Per Placement
	QFN-X (P<0.50mm)	\$1.00 Per Placement
	Through Hole Parts	\$0.05 per Pad
	Non-Standard Parts	Additional Quoting Required
Function Testing Services	Billed in Single Minute Increments	\$2.15 Per Minute Per Unit

We always require a minimum 10% overage on parts and PCBs without exception.

For 0402 parts and smaller we require a minimum 20% overage on parts.

Important: If your PCB has blind or buried vias, we can not process your PCB order.

We will still happily manage your assembly processes, but you will need to provide the PCBs.

You are expected to disclose this before requesting a quote.