

AND A REAL PROPERTY OF

Complete MFR System for Soldering, Desoldering and Rework

The MFR Soldering / Desoldering Systems include both the innovative desoldering hand-piece and the solder/rework cartridge hand-piece to cover all your rework needs.

Two MFR Soldering / Desoldering Systems are available. The MFR-SDX system requires shop air for desoldering. If shop air is not available, the MFR-SDI features an internal pump that provides suction.

Part No.	Description	
MFR-SDX	Solder / Desolder System, External Air	
MFR-SDI	Solder / Desolder System, Internal Air Pump	
Systems Include	es	
MFR-PS2X	Switched Two-Port Universal Voltage Power Supply, External Air (MFR-SDX only)	
MFR-PS2K	Two-Port Universal Voltage Power with Internal Air Pump (MFR-SDI only)	
MFR-HSR	Soldering and Rework Hand-piece	
MFR-WSSR	Soldering Workstand	
MFR-HDS	Desoldering Hand-piece	
MFR-WSDS	Desoldering Workstand	

Versatile Pencil and Pistol Grip Combination Hand-piece System

The MFR Desoldering Systems provide superior thermal transfer to the joint, effectively reflowing the solder and then quickly and efficiently removing all solder. SmartHeat[®] Technology makes through-hole desoldering easy and safe from board damage. The state-of-the-art hand-piece can be adjusted from a pencil to a gun with a simple press of a button. Operators can find the most comfortable and efficient position to tackle the rework challenge. The paper solder collection chamber and filter system is quick and easy to change, and provides low cost maintenance.

Two MFR Desoldering Systems are available. The MFR-DSX system requires shop air for desoldering. If shop air is not available, the MSF-DSI features an internal vacuum pump.

Part No.	Description
MFR-DSX	Desolder System, External Air
MFR-DSI	Desolder System, Internal Air Pump
System Includes	
MFR-PS2X	Switched Two-Port Universal Voltage Power Supply, External Air (MFR-DSX only)
MFR-PS2K	Switched Two-Port Universal Voltage Power with Internal Air Pump (MFR-DSI only)
MFR-HDS	Desolder Hand-piece
MFR-WSDS	Desolder Workstand

See Accessories page 27

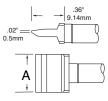
Uses DFP cartridges, see page 19

Soldering Ca	artridges	for MFR-SRC System	and MFR-HSR Hand-piece
	_	-	11 C C C C C C C C C C C C C C C C C C
0.04 1.0mm	SFP-BVL10 Bevel Cartridge 60° 1.0mm (.04")	0.016*	SFP-CN04 Chisel Cartridge 30° Bent 1.5mm (.06°)
0.04"	SFP-CH10 Chisel Cartridge 30° 1.0mm (.04")	0.02° 0.5mm	SFP-CN05 Conical Cartridge 0.5mm (.02")
0.06 1.5mm	SFP-CH15 Chisel Cartridge 30° 1.5mm (.06°)	0.016 0.4mm	SFP-CNB04 Conical Cartridge Bent 0.4mm (.016")
0.08° <u>i</u> <u>10.0mm</u> 2.0mm t	SFP-CH20 Chisel Cartridge 30° 2.0mm (.08')	0.02 ^z	SFP-CNB05 Conical Cartridge Bent 0.5mm (.02")
0.1* 2.5mm	SFP-CH25 Chisel Cartridge 30° 2.5mm (.10°)	0.016*	SFP-CNL04 Conical Cartridge Long Reach 0.4mm (.016")
0.2" 5mm	SFP-CH50 Chisel Cartridge 30° 5.0mm (.20°)	0.02 0.5mm	SFP-DRH05 Drag Soldering Cartridge Hook, 0.5mm (.02°)
0.06° 12.04mm 1.5mm	SFP-CHB15 Chisel Cartridge 30° Bent 1.5mm (.06°	1.5mm 0.06" + 16.5mm 0.65" - 1	SFP-DRH15 Drag Soldering Cartridge Hoof, 1.5mm (.06")
0.08'= 2.0mm	SFP-CHL20 Chisel Cartridge 60° Long Reach 1.57mm	0.14' 3.5mm	SFP-DRH35 Drag Soldering Cartridge Hook, 3.5mm (.14 [°])
		$\begin{array}{c c} 0.2^{*} \\ \hline 5.0 \text{mm} \\ \hline \hline & 0.63^{*} \\ \hline & 16 \text{mm} \end{array} \end{array}$	SFP-DRK50 Drag Soldering Cartridge Knife, 5.0mm (.20")

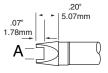
The second digit denotes substrate material (damage tolerance). F= FR4 / Glass Fiber, for most standard applications. Two other series are also available, just replace F with either T or C. T = Temperature Sensitive, C = Ceramic

Rework Cartridges

BLADE CARTRIDGES



SLOT CARTRIDGES



for MFR-SRC System and MFR-HSR Hand-piece

Part No.	Description	Α	
RFP-BL1	Blade Cartridges	10mm (0.4")	
RFP-BL2	Blade Cartridges	16mm (0.63")	
RFP-BL3	Blade Cartridges	22mm (0.87")	

Part No.	SMT TYPE	Α
RFP-SL1	0805 Chip Package	2.34mm (.092")
RFP-SL2	1206 Chip Package	3.48mm (.137")

The second digit denotes substrate material (damage tolerance). F= FR4 / Glass Fiber, for most standard applications. Also available in C Series, C = Ceramic

Desoldering Tips

\square Regular

Long Reach

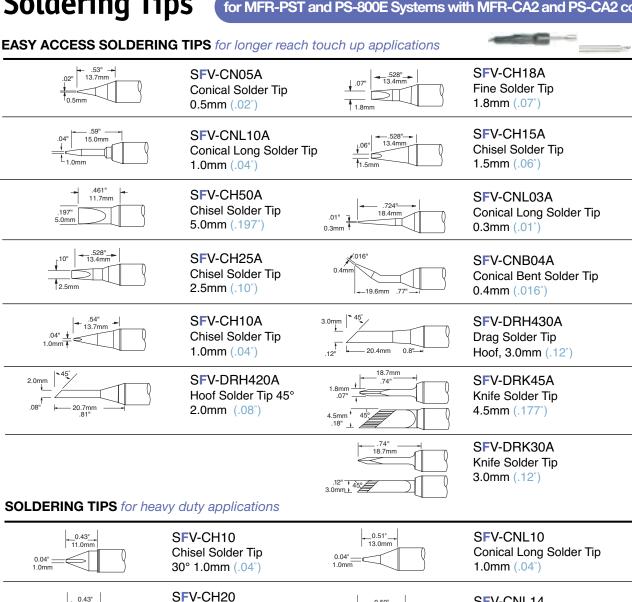
Part No.	Description	$\Box \mathcal{A}$	□ B
DFP-CN2	Desolder Tip	0.67mm (.026")	0.67mm (.026")
DFP-CN3	Desolder Tip	0.79mm (.031")	2.05mm (.080")
DFP-CN4	Desolder Tip	1.05mm (.041")	2.30mm (.090")
DFP-CN5	Desolder Tip	1.31mm (.052")	2.65mm (.104")
DFP-CN6	Desolder Tip	1.55mm (.061")	2.85mm (.112")
DFP-CN7	Desolder Tip	2.44mm (.096")	3.65mm (.143")
DFP-CNL3	Desolder Tip Long Reach	0.79mm (.031")	2.05mm (.080")
DFP-CNL4	Desolder Tip Long Reach	1.05mm (.041")	2.30mm (.090")
DFP-CNL5	Desolder Tip Long Reach	1.31mm (.052")	2.65mm (.104")

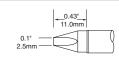
for MFR-DSX,-DSI, -SDX and -SDI Systems

The second digit denotes substrate material (damage tolerance). F= FR4 / Glass Fiber, for most standard applications. Also available in C Series, C = Ceramic.

Soldering Tips

for MFR-PST and PS-800E Systems with MFR-CA2 and PS-CA2 coils





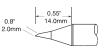
___0.43"___ 11.0mm

0.08" 2.0mm

SFV-CH25 Chisel Solder Tip 2.5mm (.10")

Chisel Solder Tip

2.0mm (.08")



0.59" 15.0mm

0.056"

1.4mm

SFV-DRH20 Conical Bevel Solder Tip 2.0mm (.08")

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