


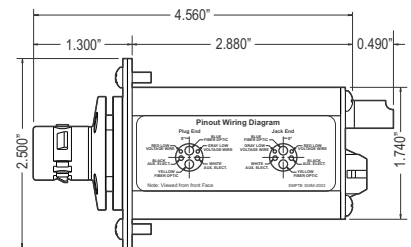
Hybrid Electrical & Fiber-Optic Connector Break-Out Modules

For use in television broadcasting and video equipment such as camera head to camera control-unit connections. These hybrid Break-Out modules terminate two singlemode fiber-optic contacts, two low-voltage contacts and two auxiliary 600VAC electrical contacts.

- Conform to SMPTE 304M-2003 Standard
 - Feature Lemo® Connectors for Ultimate Reliability
 - 6 Position and 8 Position Panel Configurations Available
 - Includes a 60" [1.5m] Electrical Connector Mating Cable* with extra connector and 5 pins
- *Custom lengths available

Modular Bulkhead SMPTE 304M Series Specifications

Optical	
Wavelength:	1100 nm – 1350 nm
Insertion Loss:	0.5 dB maximum
Return Loss:	Better than -45 dB
Electrical	
Auxiliary Elec. Contacts	
Voltage:	600VAC
Current:	10A
Low-Voltage Contacts:	
Voltage:	42VAC or 60VDC
Current:	1A
Environmental	
Temperature, Operating: -20°C to +60°C	
Temperature, Non-operating, storage: -40°C to +85°C	
Humidity: <95% RH (at +40°C)	
RoHS:  Compliant	

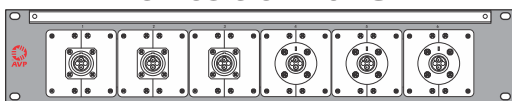


Ordering Information, 6 & 8 Position Panel Modules

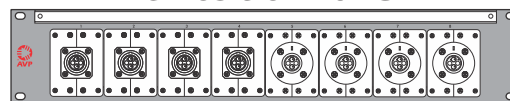
Model	Description
SMPTE 304M-2003 Hybrid Electrical & Fiber-Optic Connector Break-Out Module, includes 60" [1.5m] Connector Mating Cable; for 6 Position panel	
MB6FM-LP-LC	Module, Lemo plug SMPTE 304M Camera Connector to dual singlemode LC Fiber-Optic* and 5 pin electrical contact break-out, (round flange)
MB6FM-LS-LC	Module, Lemo socket SMPTE 304M Camera Connector to dual singlemode LC Fiber-Optic* and 5 pin electrical contact break-out, (square flange)
SMPTE 304M-2003 Hybrid Electrical & Fiber-Optic Connector Break-Out Module, includes 60" [1.5m] Connector Mating Cable; for 8 Position panel	
MB8FM-LP-LC	Module, Lemo plug SMPTE 304M Camera Connector to dual singlemode LC Fiber-Optic* and 5 pin electrical contact break-out, (round flange)
MB8FM-LS-LC	Module, Lemo socket SMPTE 304M Camera Connector to dual singlemode LC Fiber-Optic* and 5 pin electrical contact break-out, (square flange)
AT-MBFM-MCK	Mating Connector Kit, consists of electrical mating connector and 5 crimp pins
AT-MBFM-HCT1	Heavy Duty Hand Crimp Tool, for use with AT-MBFM-MCK Mating Connector Kit
AT-MBFM-HCT2	Standard Hand Crimp Tool, for use with AT-MBFM-MCK Mating Connector Kit

*Also available terminated to SC, ST and FC fiber-optic receptacles. Replace -LC in Model Name with -SC, -ST or -FC.

6 Position Panel



8 Position Panel



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Ordering Information, 6 & 8 Position Panels

Ordering Information, 6 Position 2RU Modular Bulkhead Series Panels

Model	Description
6 Position Standard, 30° & Switchboard Style Modular Bulkhead	
WK-M3B106E2-Z-BZ	30 degree, 2RU, 1x6, Modular Bulkhead panel, empty
WK-MSB106E2-Z-BZ	Standard (non angled), 2RU, 1x6, Modular Bulkhead panel, empty
CB-B13	Heavy-Duty Cable Bar
Add -B13	to model number for optional installed CB-B13 , Heavy-Duty Cable Bar
WK-M3B106E2-Z-180-BZ	Recessed panel for switchboard style patchcord retainer system; 2RU, 1x6, Modular Bulkhead panel, empty
MBCCCH	Camera Cable Hanger support panel for the switchboard style patchcord retainer system
MBCP	Cover Plate, blank, covers one unused position, hardware



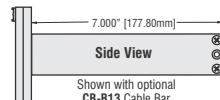
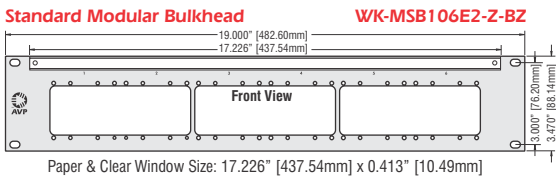
AT-MBFM-HCT1
Heavy Duty Hand Crimp Tool,
for use with **AT-MBFM-MCK**
Mating Connector Kit

AT-MBFM-HCT2
Standard Hand Crimp Tool,
for use with **AT-MBFM-MCK**
Mating Connector Kit

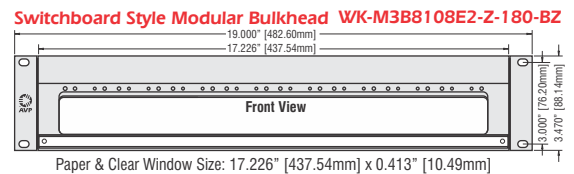
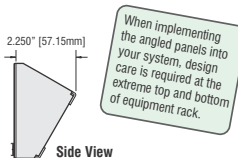
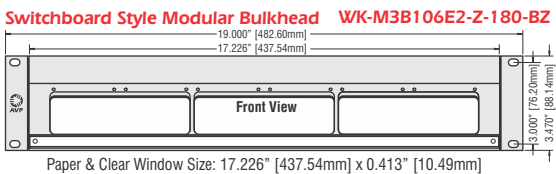
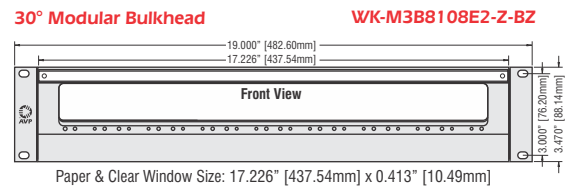
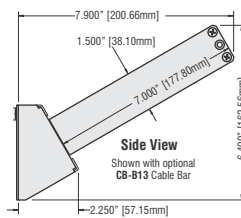
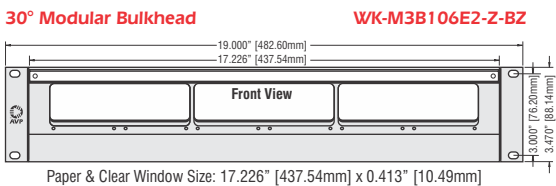
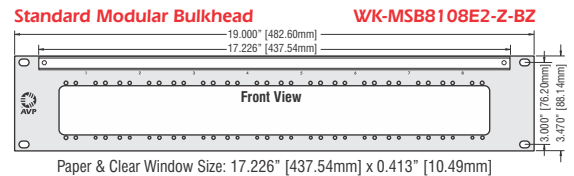
Ordering Information, 8 Position 2RU Modular Bulkhead Series Panels

Model	Description
8 Position Standard, 30° & Switchboard Style Modular Bulkhead	
WK-M3B8108E2-Z-BZ	30 degree, 2RU, 1x8, Modular Bulkhead panel, empty
WK-MSB8108E2-Z-BZ	Standard (non angled), 2RU, 1x8, Modular Bulkhead panel, empty
CB-B13	Heavy-Duty Cable Bar
Add -B13	to model number for optional installed CB-B13 , Heavy-Duty Cable Bar
WK-M3B8108E2-Z-180-BZ	Recessed panel for switchboard style patchcord retainer system; 2RU, 1x8, Modular Bulkhead panel, empty
MBCCCH	Camera Cable Hanger support panel for the switchboard style patchcord retainer system
MB8CP	Cover Plate, blank, covers one unused 8 position, hardware

6 Position Panel & Designation Dimensions



8 Position Panel & Designation Dimensions



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