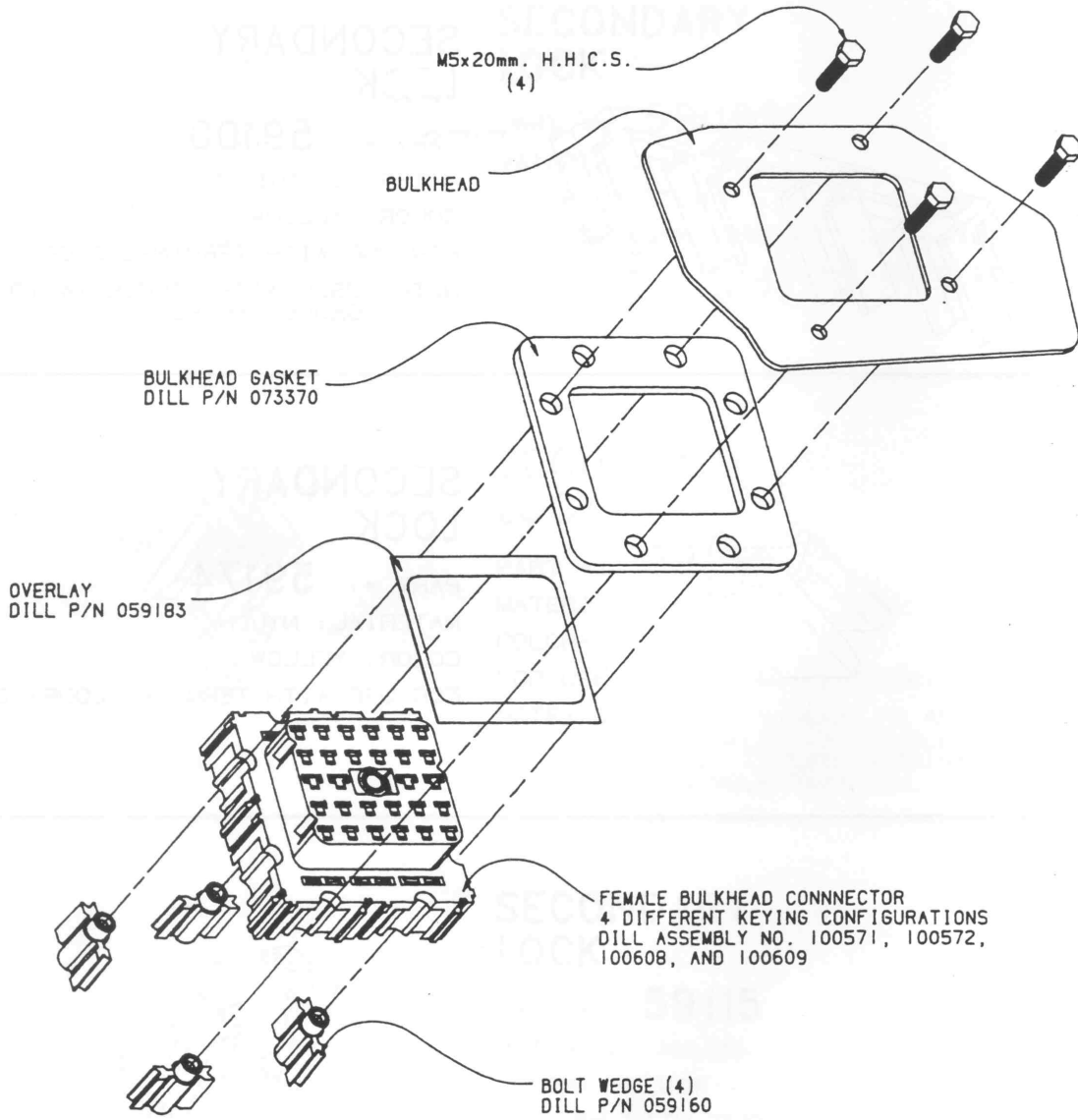
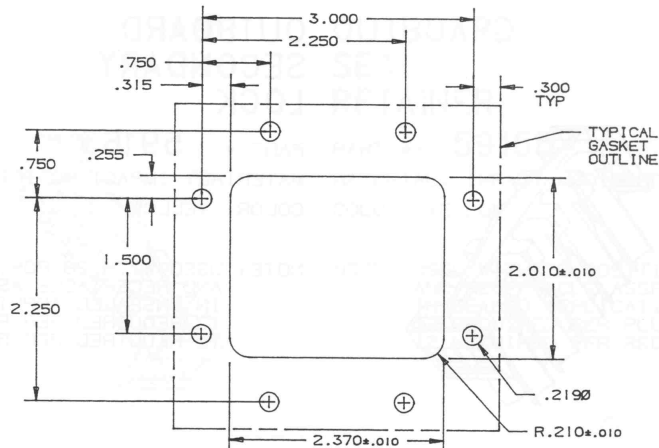


# TYPICAL BULKHEAD INSTALLATION



RECOMMENDED MOUNTING DIMENSIONS (.125" MAX BULKHEAD THICKNESS):



ALL DIMENSIONS ARE IN INCHES; TOLERANCES ARE +/- .005 UNLESS OTHERWISE INDICATED.  
THE NUMBER AND SELECTION OF MOUNTING HOLES IS TO BE DETERMINED BY THE DESIGNER.

## MODULAR BULKHEAD CONNECTOR SYSTEM 28 POSITION CONNECTORS

The plug for the DILL 28 Position Modular Bulkhead Connector consists of the connector body, a jack screw, and a polarized color coded key insert (SEE CHART).

The receptacle consists of the connector body (SEE CHART), a 1/4"x20 threaded insert, and a polarized color coded key insert (SEE CHART).

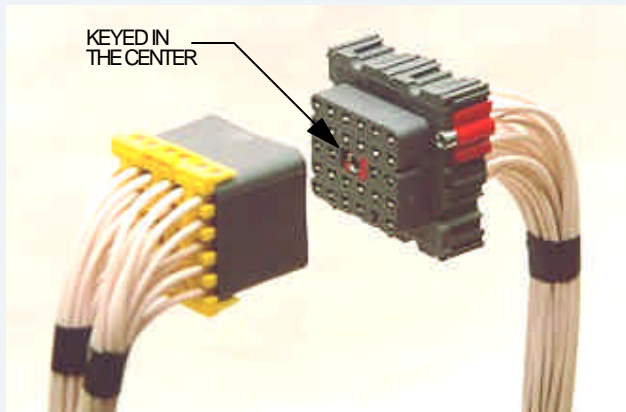
The outer perimeter of the receptacle features the "DILL EDGE™". This feature allows receptacles to be joined together or to other DILL BLOX modules as part of the power distribution panel. The female receptacle accepts the standard Locking Wedge (#59011), and the mounting Bolt Wedge (#59160).

**IMPORTANT:** The maximum bulkhead thickness that receptacles can be mounted through is 1/8" (0.125").

The Dill 28 Position Modular Bulkhead Connector accepts standard blade type terminals for sealed and unsealed applications. Each connector has 24 positions that contain 0.187" series terminals for heavy duty applications. The remaining four positions contain 0.250" series terminals for heavy duty, high amperage applications.

Both the plug and receptacle assemblies provide either secondary locking or seal retaining security. In applications where moisture is not a concern, the connectors can be assembled without any seals. Secondary locking bars provide additional security against terminal pushback. In applications where protection is necessary, the connectors can be assembled with cable seals and an interfacial seal. Seal retainer bars are used instead of secondary locking bars, for this application, to provide additional security to the cable seal.

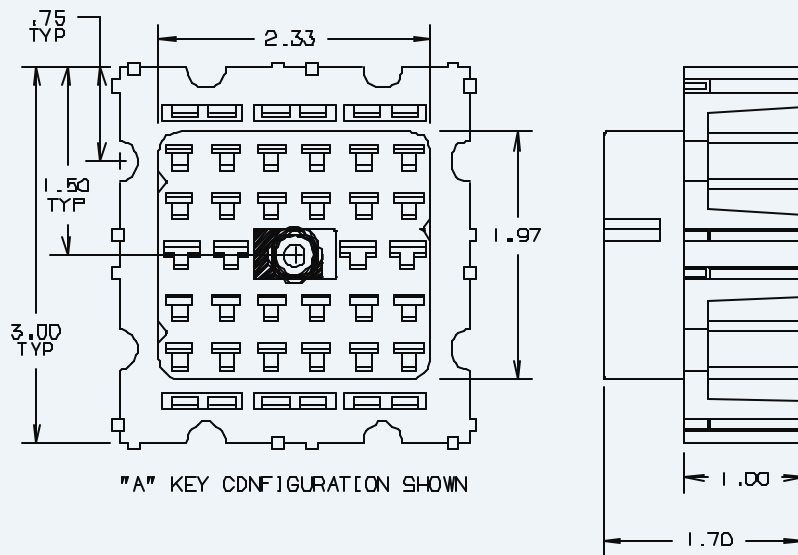
# 28 POSITION MODULAR BULKHEAD CONNECTORS



FEMALE CONNECTOR KEYS		MALE CONNECTOR KEYS	
	INDEX KEY TYPE A COLOR: GREEN CONNECTOR NUMBER: 100571		INDEX KEY TYPE A COLOR: GREEN CONNECTOR NUMBER: 100573
	INDEX KEY TYPE B COLOR: RED CONNECTOR NUMBER: 100572		INDEX KEY TYPE B COLOR: RED CONNECTOR NUMBER: 100574
	INDEX KEY TYPE C COLOR: BLUE CONNECTOR NUMBER: 100608		INDEX KEY TYPE C COLOR: BLUE CONNECTOR NUMBER: 100610
	INDEX KEY TYPE D COLOR: ORANGE CONNECTOR NUMBER: 100609		INDEX KEY TYPE D COLOR: ORANGE CONNECTOR NUMBER: 100611

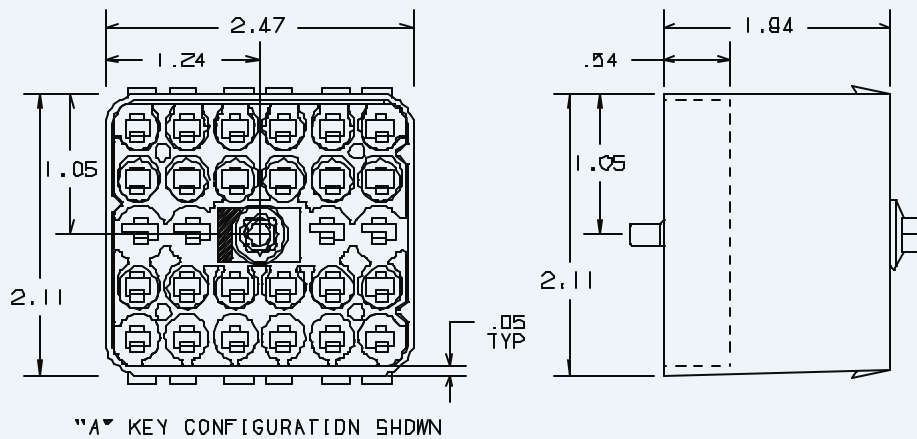
## FEMALE BULKHEAD RECEPTACLE

PART # 059183 AND # 073370 ARE THE OVERLAY AND GASKET



## MALE BULKHEAD PLUG

PART # 59169: PLUG INTERFACIAL SEAL AVAILABLE FOR SEALED APPLICATIONS



## 28 POSITION MODULAR BULKHEAD CONNECTORS

### BULKHEAD SYSTEM APPLICATION SHEET

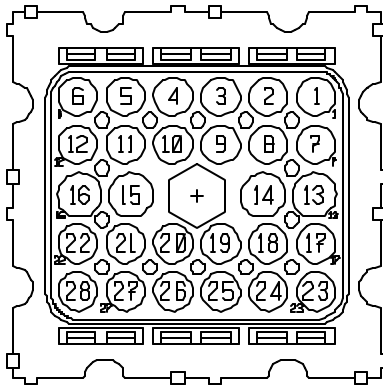
#### PART NUMBER COLOR CODES

FEMALE RECEPTACLES	MALE PLUGS	COLOR CODE KEY
100571	100573	GREEN - A
100572	100574	RED - B
100608	100610	BLUE - C
100609	100611	ORANGE - D

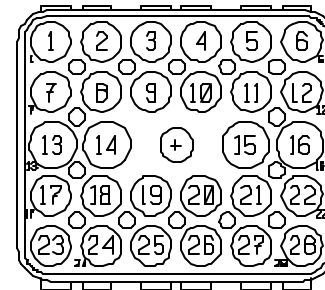
#### BULKHEAD TERMINAL CODES

CAVITY #	MALE PLUG	FEMALE RECEPTACLE	SEALED MALE PLUG	SEALED FEMALE RECEPTACLE
1 — 12	060	059	178	177
13 — 16	063	062	180	179
17 — 28	060	059	178	177

FEMALE BULKHEAD RECEPTACLE  
CAVITY NUMBERS  
(Rear Load View)



MALE BULKHEAD PLUG  
CAVITY NUMBERS  
(Rear Load View)



#### CAVITY SEALS FOR BULKHEAD TERMINALS

TERMINAL CODE	WIRE INSULATION DIAMETER IN INCHES	SEAL OEM PART #
177 & 178	0.080 THRU 0.110	12048433
177 & 178	0.110 THRU 0.139	12052452
177 & 178	0.140 THRU 0.169	12054453
177 & 178	0.170 THRU 0.200	12065703
177 & 178	CAVITY PLUG #	12066082
179 & 180	0.080 THRU 0.109	12059259
179 & 180	0.110 THRU 0.139	12059258
179 & 180	0.140 THRU 0.169	12059260
179 & 180	0.170 THRU 0.200	12059257
179 & 180	CAVITY PLUG #	12059255

#### SECONDARY LOCKS / SEAL RETAINERS

PLUG / RECEP. TYPE	INBOARD LOCK / SEAL RETAINER	OUTBOARD LOCK / SEAL RETAINER
UNSEALED	59164	59163
SEALED	59166	59165