

INCH-POUND

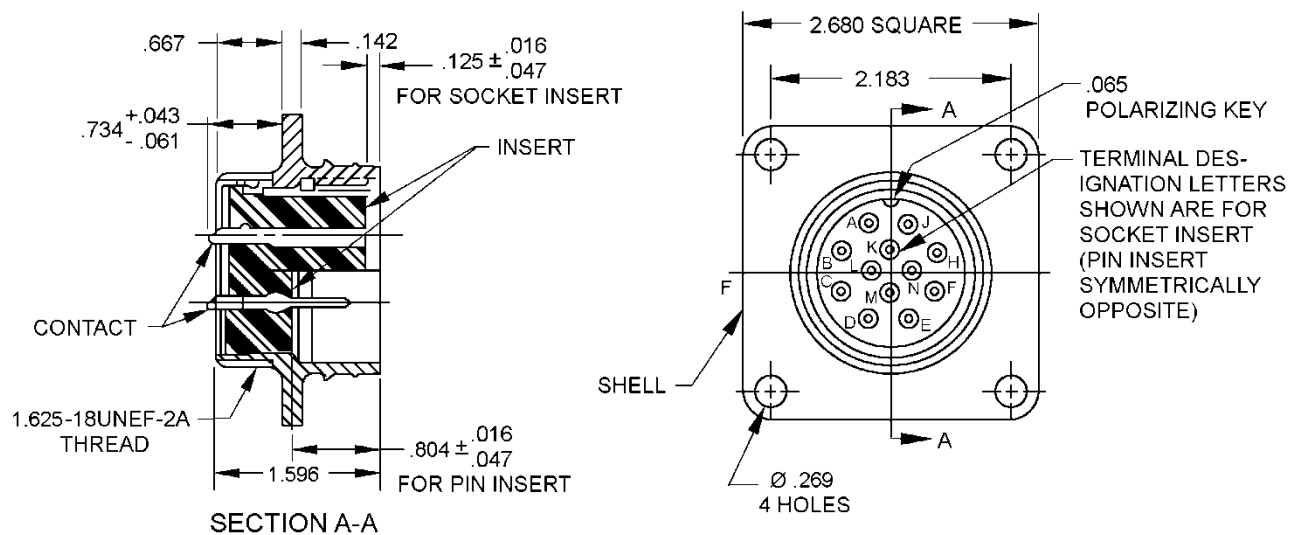
MS75021E  
 5 September 2013  
 SUPERSEDING  
 MS75021D  
 23 December 1974

## DETAIL SPECIFICATION SHEET

CONNECTOR, RECEPTACLE, ELECTRICAL, - 12 CONTACT,  
 INTERVEHICULAR, 28 VOLT, WATERPROOF

This specification is approved for use by all Departments and  
 Agencies of the Department of Defense.

The requirements for acquiring the product described herein  
 shall consist of this specification sheet and MIL-DTL-38159.



Inches	mm	Inches	mm
.016	0.41	.269	6.83
.043	1.09	.667	16.94
.047	1.19	.743	18.87
.061	1.55	.804	20.42
.065	1.65	1.596	40.54
.125	3.18	2.183	55.45
.142	3.61	2.680	68.07

FIGURE 1. Connector, plug, electrical, intervehicular.

## MS75021E

Termination designation	Circuit number	Connects to
A	24-484	LH blackout marker
B	22-461	LH service signal
C	24-483	RH blackout marker
D	90	Ground
E	21-489	Service clearance
F	23	Blackout stop
H	490	Blackout clearance
J	22-460	RH service signal
K	37	Auxiliary power
L	90	Ground
M	53	Brake
N	53	Brake

## NOTES:

1. Dimension are in inches, metric equivalents are given for information only.
2. Circuit numbers are in accordance with typical wiring diagram Army drawing number 8377310.
3. Threads shall be in accordance with FED-STD-H28.
4. Details of this assembly shall be in accordance with drawings referenced herein and may be obtained online from [www.tacom.army.mil](http://www.tacom.army.mil) or from US Army Tank Automotive Command, 6501 E. 11 Mile Rd. Warren, MI 48397-5000.
5. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements and promotes economically advantageous life cycle.
6. International standardization agreement implementation. This specification implements QSTAG 327 and STANAG 4007. When amendment, revision, or cancellation of this specification is proposed, the preparing activity must coordinate the action with the U.S. National Point of Contact for the international standardization agreement, as identified in the ASSIST database at <http://assist.dla.mil/>.

FIGURE 1. Connector, plug, electrical, intervehicular - Continued.

## Requirements:

Mating receptacle: These plugs mate with receptacles specified in MS75020.

This drawing illustrates final assembly. The parts to be shipped unassembled in bag.

Electrical requirements shall be in accordance with Army drawing 10911317.

Marking shall consist of the MS Part or Identifying Number (PIN) and manufacturer identification in accordance with MIL-STD-130.

## MS75021E

PIN: See table I.

TABLE I. PIN information.

PIN	Type	Body assembly Army PIN	Insert Army PIN	Contact Army PIN
MS75021-1	Pin	8724316	8701274	7716521
MS75021-2	Socket		8701275	7716520

Changes from previous issues. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-38159 this document references the following:

MS75020  
MIL-STD-130  
FED-STD-H28  
Army drawing 10911317  
Army drawing 8377310  
QSTAG 327  
STANAG 4007

## CONCLUDING MATERIAL

Custodians:  
Army – AT  
DLA - CC

Preparing activity:  
DLA - CC

(Project 5935-2012-242)

Review activities:  
Army – CR, CR4, MI  
Navy – MC, SH  
Air force - 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil/>.