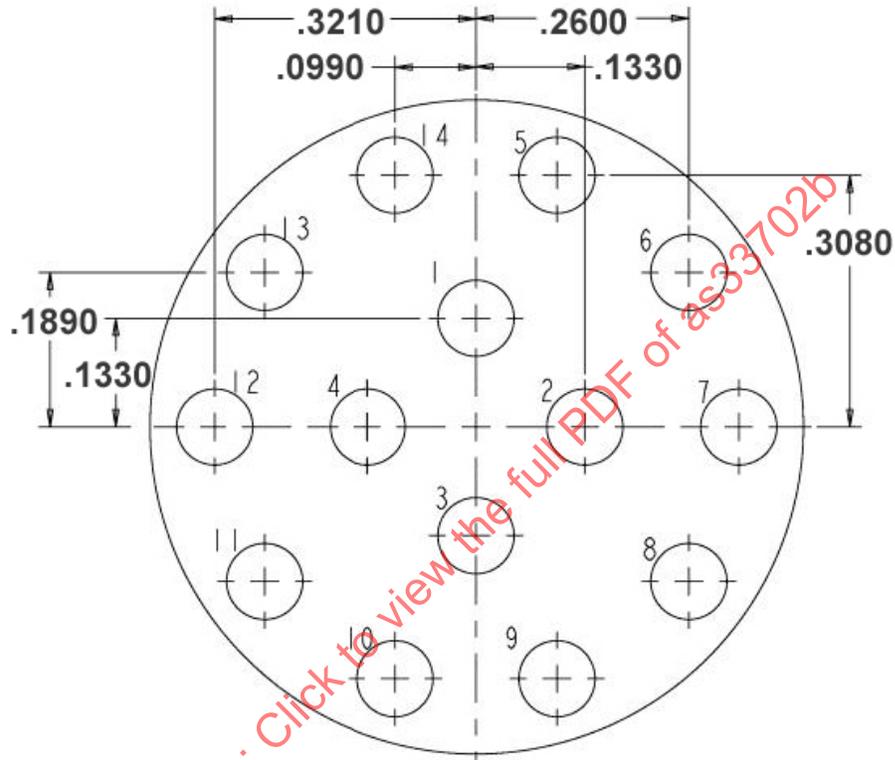


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RATIONALE

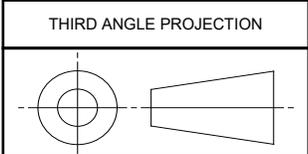
REVISION IS REQUIRED TO REMOVE IMAGES AND REPLACE WITH WORD TEXT/TABLES, TO COMBINE INSERT PATTERN INFORMATION INTO ONE TABLE, TO DELETE CANCELLED CONNECTOR SPECIFICATION REFERENCES, TO REMOVE GOVERNMENT JARGON/CONVERSION INFORMATION, TO REMOVE THE PROCUREMENT SPECIFICATION, TO ADD THE APPLICABLE CONNECTOR SPECIFICATION TO THE DOCUMENT TITLE, TO CHANGE ALL DIMENSIONS TO FOUR DECIMAL PLACES, AND TO UPDATE DOCUMENT TO MOST CURRENT SAE GUIDELINES.



CONTACT SIZE: 16
NUMBER OF CONTACTS: 14
SERVICE RATING: I

FIGURE 1 - INSERT ARRANGEMENT 27-2

For more information on this standard, visit
<https://www.sae.org/standards/content/AS33702B>



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

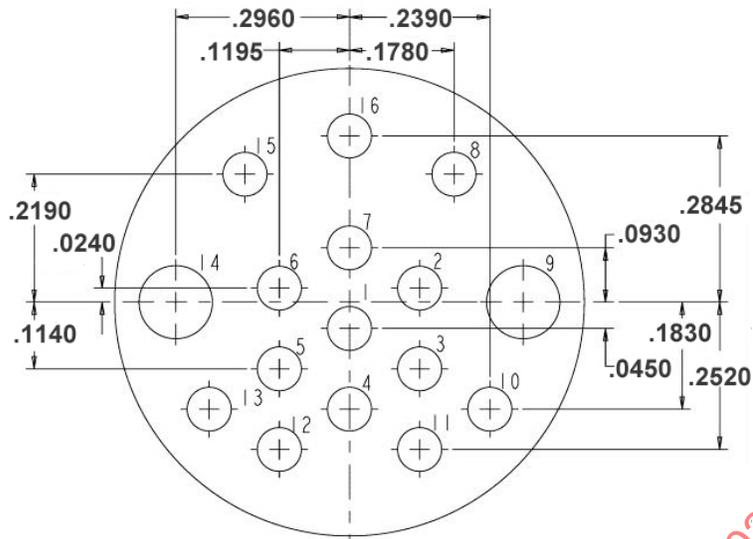
(R) INSERT ARRANGEMENTS, ELECTRIC
CONNECTOR, SHELL SIZE 27
(FOR AS81703 CONNECTORS)

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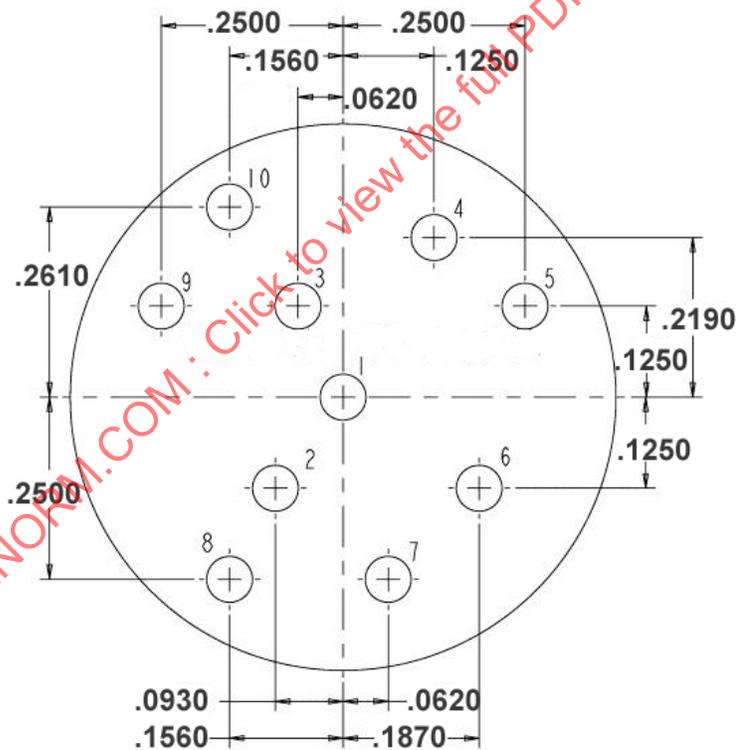
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ISSUED 2002-02 REVISED 2015-12 REAFFIRMED 2020-08



CONTACT SIZE: 20/16
 NUMBER OF CONTACTS: 14 SIZE 20/2 SIZE 16
 SERVICE RATING: I

FIGURE 2 - INSERT ARRANGEMENT 27-3



CONTACT SIZE: 20
 NUMBER OF CONTACTS: 10
 SERVICE RATING: I

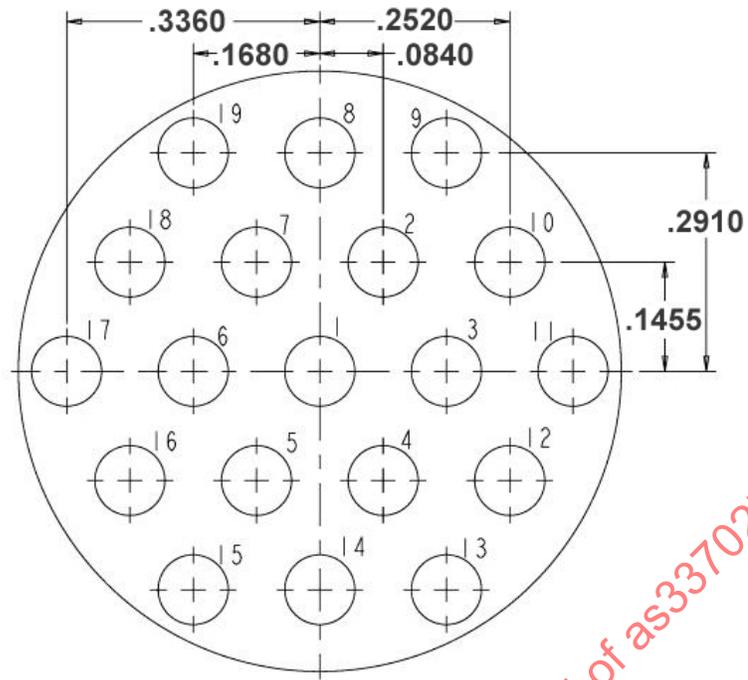
FIGURE 3 - INSERT ARRANGEMENT 27-4



AEROSPACE STANDARD
 (R) INSERT ARRANGEMENTS, ELECTRIC
 CONNECTOR, SHELL SIZE 27
 (FOR AS81703 CONNECTORS)

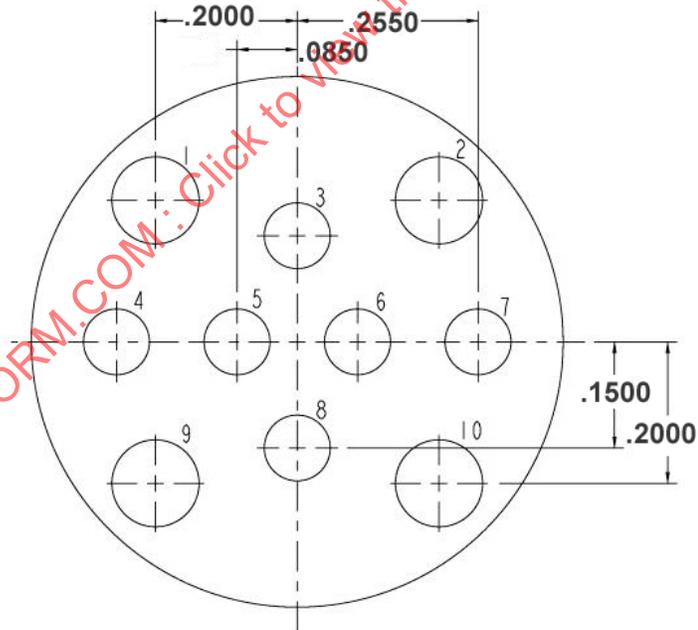
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CONTACT SIZE: 16
 NUMBER OF CONTACTS: 19
 SERVICE RATING: I

FIGURE 4 - INSERT ARRANGEMENT 27-5



CONTACT SIZE: 16/12
 NUMBER OF CONTACTS: 6 SIZE 16/4 SIZE 12
 SERVICE RATING: I

FIGURE 5 - INSERT ARRANGEMENT 27-8

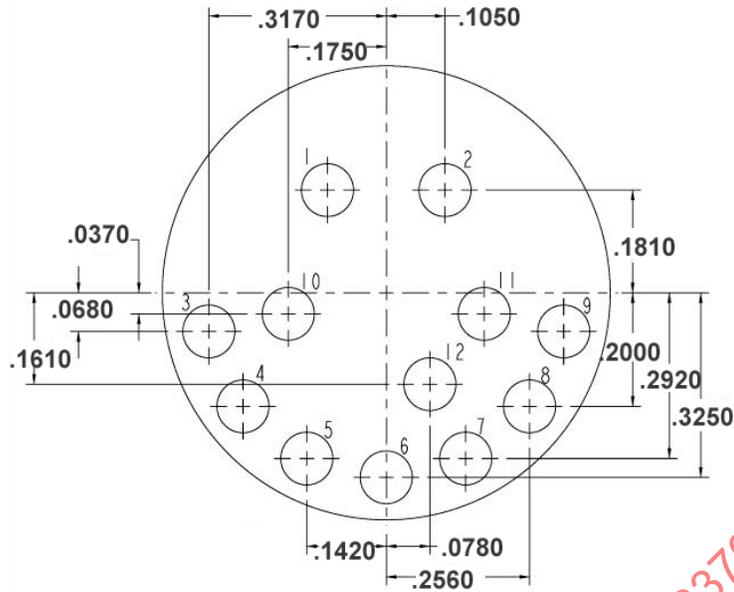


AEROSPACE STANDARD

(R) INSERT ARRANGEMENTS, ELECTRIC
 CONNECTOR, SHELL SIZE 27
 (FOR AS81703 CONNECTORS)

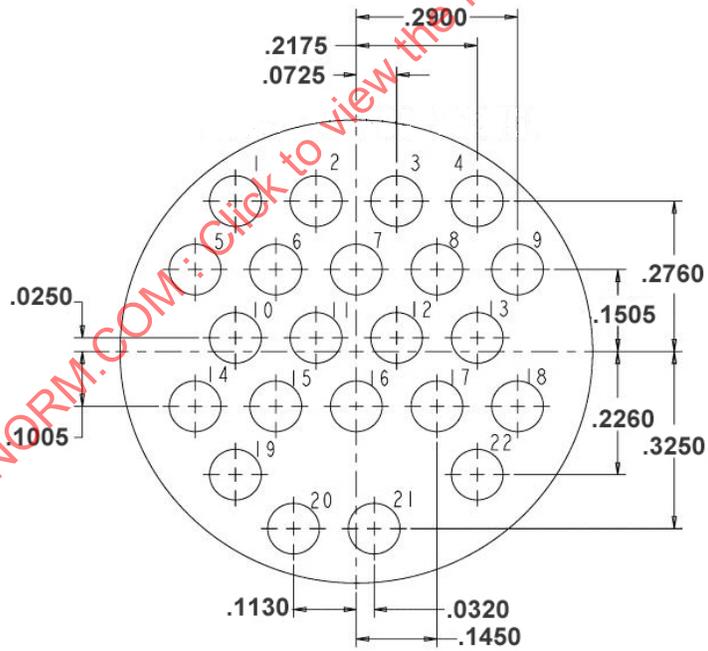
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CONTACT SIZE: 20
 NUMBER OF CONTACTS: 12
 SERVICE RATING: II (CONTACTS 1 & 2)
 SERVICE RATING I (ALL OTHERS)

FIGURE 6 - INSERT ARRANGEMENT 27-11



CONTACT SIZE: 20
 NUMBER OF CONTACTS: 22
 SERVICE RATING: I

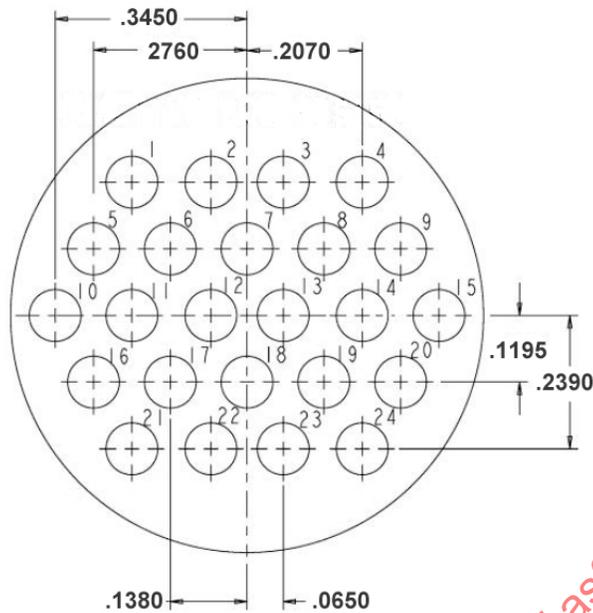
FIGURE 7 - INSERT ARRANGEMENT 27-22



AEROSPACE STANDARD
 (R) INSERT ARRANGEMENTS, ELECTRIC
 CONNECTOR, SHELL SIZE 27
 (FOR AS81703 CONNECTORS)

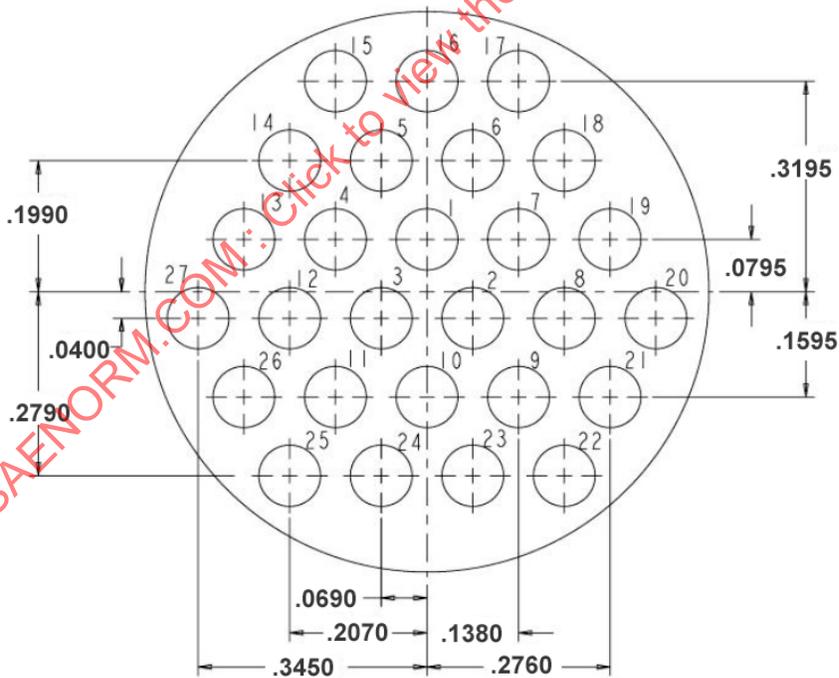
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CONTACT SIZE: 20
 NUMBER OF CONTACTS: 24
 SERVICE RATING: I

FIGURE 8 - INSERT ARRANGEMENT 27-24



CONTACT SIZE: 20
 NUMBER OF CONTACTS: 27
 SERVICE RATING: I

FIGURE 9 - INSERT ARRANGEMENT 27-50



AEROSPACE STANDARD
 (R) INSERT ARRANGEMENTS, ELECTRIC
 CONNECTOR, SHELL SIZE 27
 (FOR AS81703 CONNECTORS)

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