1500 Series
Circuit Breaker Bushings
GE AM 4.16 / AMH 4.16
1200 and 2000 Amp
5 kV, 60 kV BIL

Use:

1500 Series Circuit Breaker Bushings are designed for use in new, replacement and retrofit Circuit Breaker applications.

Construction:

1500 Series Secondary Bushings are constructed of tin or silver plated C110 electrolytic copper conductors for maximum conductivity. Insulation is Bis-A cast epoxy for enclosed applications. Cycloaliphatic epoxy insulation is recommended for applications where a high moisture or contaminated atmosphere exists.

Custom Options:

1500 Series Secondary Bushings are easily customized for non-standard applications. Bushing shank lengths and custom copper configurations can be provided to customer specifications. Designs are available for most original manufacturer's equipment.

Engineered Power Components Ltd.
Unit E – 10 Keenleyside St.
Winnipeg, Manitoba, Canada
R2L 2B9

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Website: www.epclimited.com

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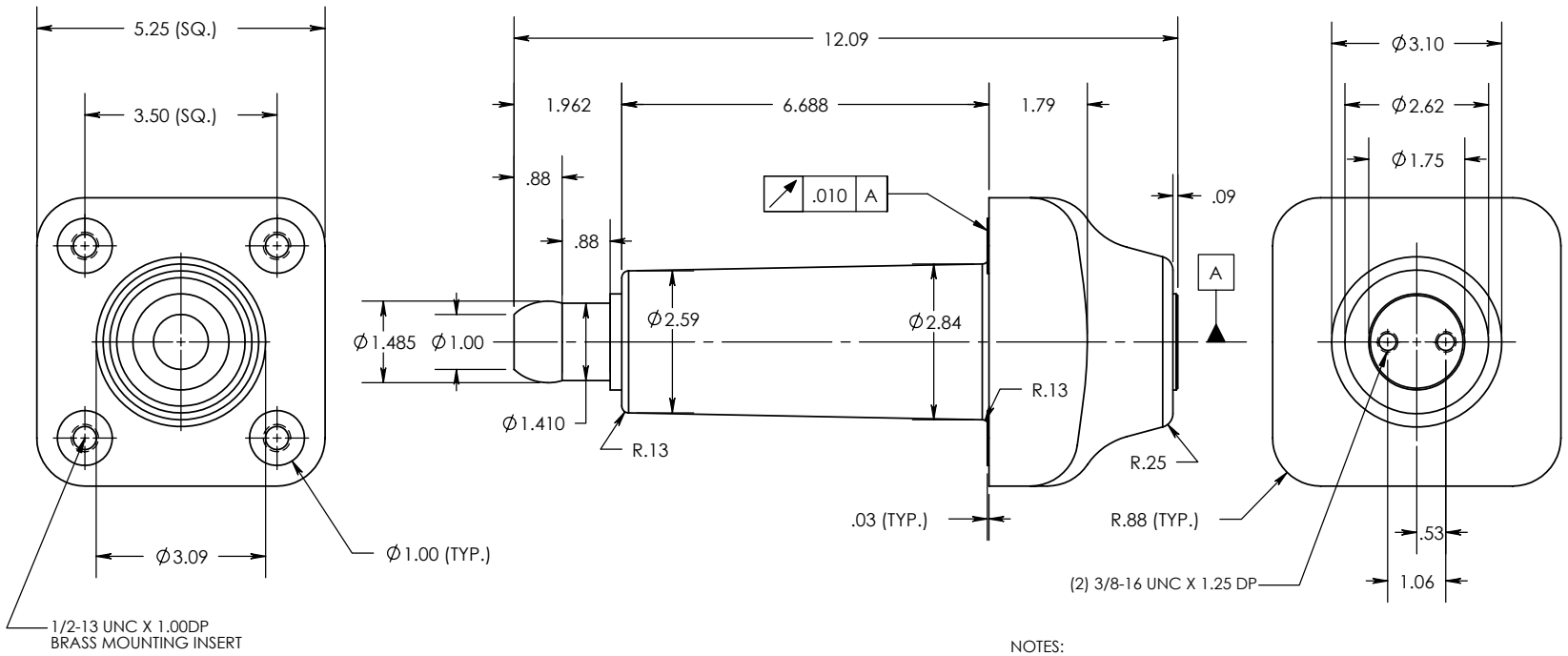
REV. 0
CAD FILE: 1500 SERIES
DWG. NO. 15-015-000



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E04 - CYCLOALIPHATIC EPOXY (OUTDOOR)
2. E06 - BISPHENOL-A EPOXY (INDOOR)
3. HD ETP COPPER, C11000; FINISH SILVER PLATED .0005 MIN. THICKNESS

SPECIFICATIONS:
1. RATED VOLTAGE 5kV
2. POWER FREQUENCY WITHSTAND 19kV
3. BASIC IMPULSE LEVEL 60KV
4. NOMINAL CURRENT RATING ..... 1200 AMPS
5. LEAKAGE DISTANCE ..... 4.25"
6. TEMPERATURE CLASSIFICATION..... -50°C TO +105°C
7. FINISHED WEIGHT ..... 14.25 LBS.

REVISIONS 0
REF.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5 %
AMPERAGE	±5 %
RESISTANCE	±5 %

* STATISTICAL DIMENSION
NO. OF SAMPLES [0]

CAD GENERATED DRAWING,
DO NOT MANUALLY UPDATE.

APPROVALS		DATE
DRAWN BY:	DB	17/07/2001
CHECKED BY:	RM	17/07/2001
ENGINEERING	DB	17/07/2001

TOOLING REF. T15-015
PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

5kV, 1200A
SWITCHGEAR BUSHING

SIZE	DWG. NO.	REV.
A	15-015-000	0

SCALE 1:3 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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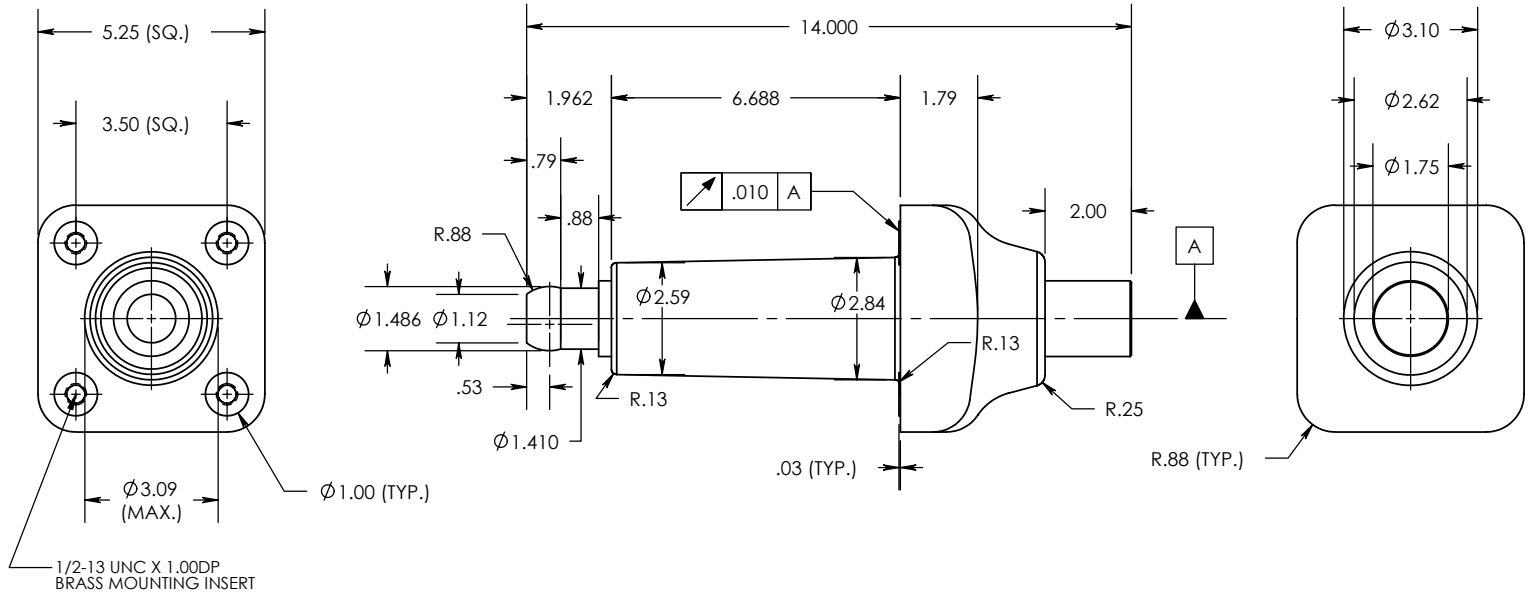
REV. 3
CAD FILE: 1500 SERIES
DWG. NO. 15-015-001



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E09 - CYCLOALIPHATIC EPOXY (OUTDOOR)
2. E06 - BISPHENOL-A EPOXY (INDOOR)
3. HD ETP COPPER, C11000; FINISH SILVER PLATED .0005 MIN. THICKNESS

SPECIFICATIONS:
1. RATED VOLTAGE 5kV
2. POWER FREQUENCY WITHSTAND 19kV
3. BASIC IMPULSE LEVEL 60KV
4. NOMINAL CURRENT RATING ..... 1200 AMPS
5. LEAKAGE DISTANCE ..... 4.25"
6. TEMPERATURE CLASSIFICATION..... -50°C TO +105°C
7. FINISHED WEIGHT ..... 15.7 LBS.

REV.	DESCRIPTION	
0		
1	DIM .79 WAS .88	RM 16/10/2002 DB 16/10/2002
2	E07 WAS E04	RM 10/01/2003 DB 10/01/2003
3	E09 WAS E07	RM 21/05/2003 DB 2/05/2003

REF.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5 %
AMPERAGE	±5 %
RESISTANCE	±5 %

* STATISTICAL DIMENSION
NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS	DATE
DRAWN BY: DB	05/10/2001
CHECKED BY: RM	10/10/2001
ENGINEERING DB	10/10/2001

TOOLING REF. T15-015-0
PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

5kV, 1200A
SWITCHGEAR BUSHING

SIZE	DWG. NO.	REV.
A	15-015-001	3

SCALE 1:4 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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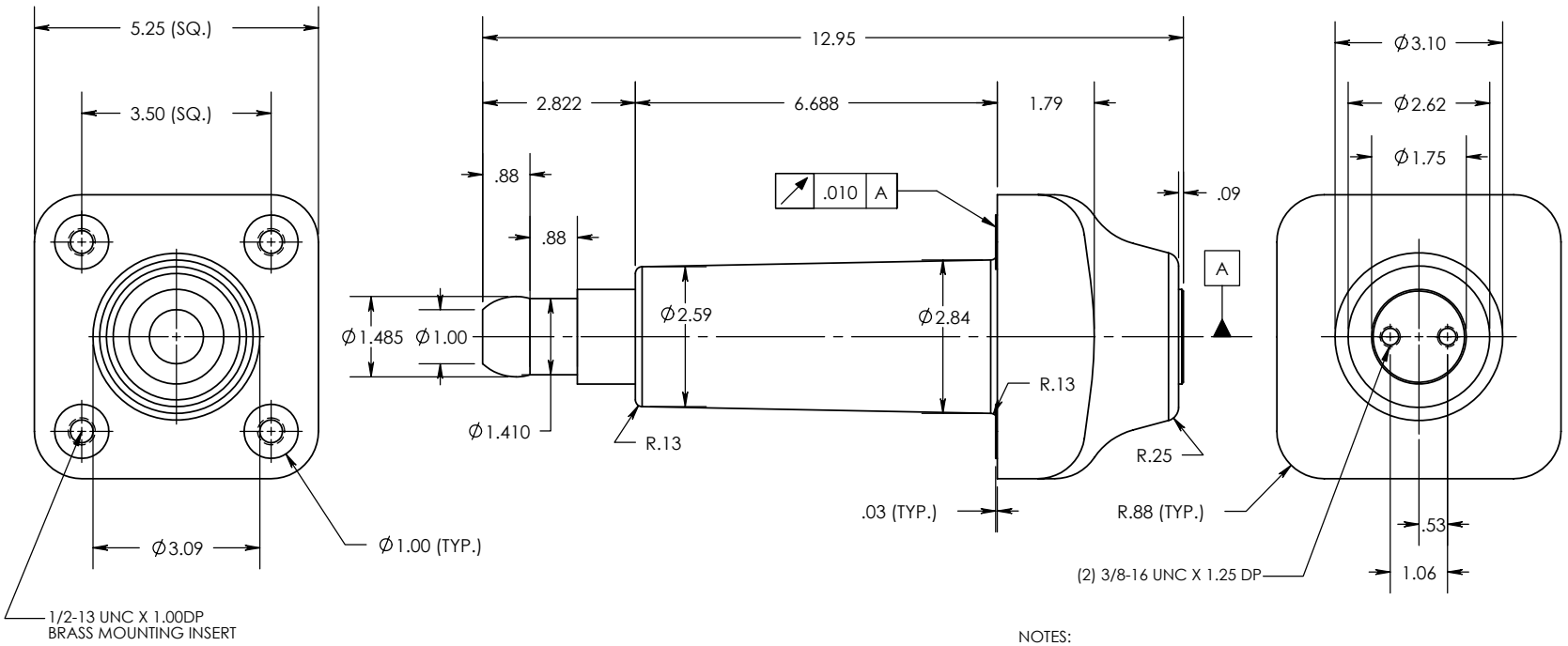
REV. 0
CAD FILE: 1500 SERIES
DWG. NO. 15-015-003



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E04 - CYCLOALIPHATIC EPOXY (OUTDOOR)
2. E06 - BISPHENOL-A EPOXY (INDOOR)
3. HD ETP COPPER, C11000; FINISH SILVER PLATED .0005 MIN. THICKNESS

SPECIFICATIONS:
1. RATED VOLTAGE 5kV
2. POWER FREQUENCY WITHSTAND 19kV
3. BASIC IMPULSE LEVEL 60KV
4. NOMINAL CURRENT RATING ..... 1200 AMPS
5. LEAKAGE DISTANCE ..... 4.25"
6. TEMPERATURE CLASSIFICATION..... -50°C TO +105°C
7. FINISHED WEIGHT ..... 15 LBS.

REVISIONS	0
REF.	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5 %
AMPERAGE	±5 %
RESISTANCE	±5 %

* STATISTICAL DIMENSION
NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS		DATE
DRAWN BY:	DB	23/05/2002
CHECKED BY:	RM	23/05/2002
ENGINEERING	DB	23/05/2002

TOOLING REF. T15-015
PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

5kV, 1200A
SWITCHGEAR BUSHING

SIZE	DWG. NO.	REV.
A	15-015-003	0

SCALE 1:3 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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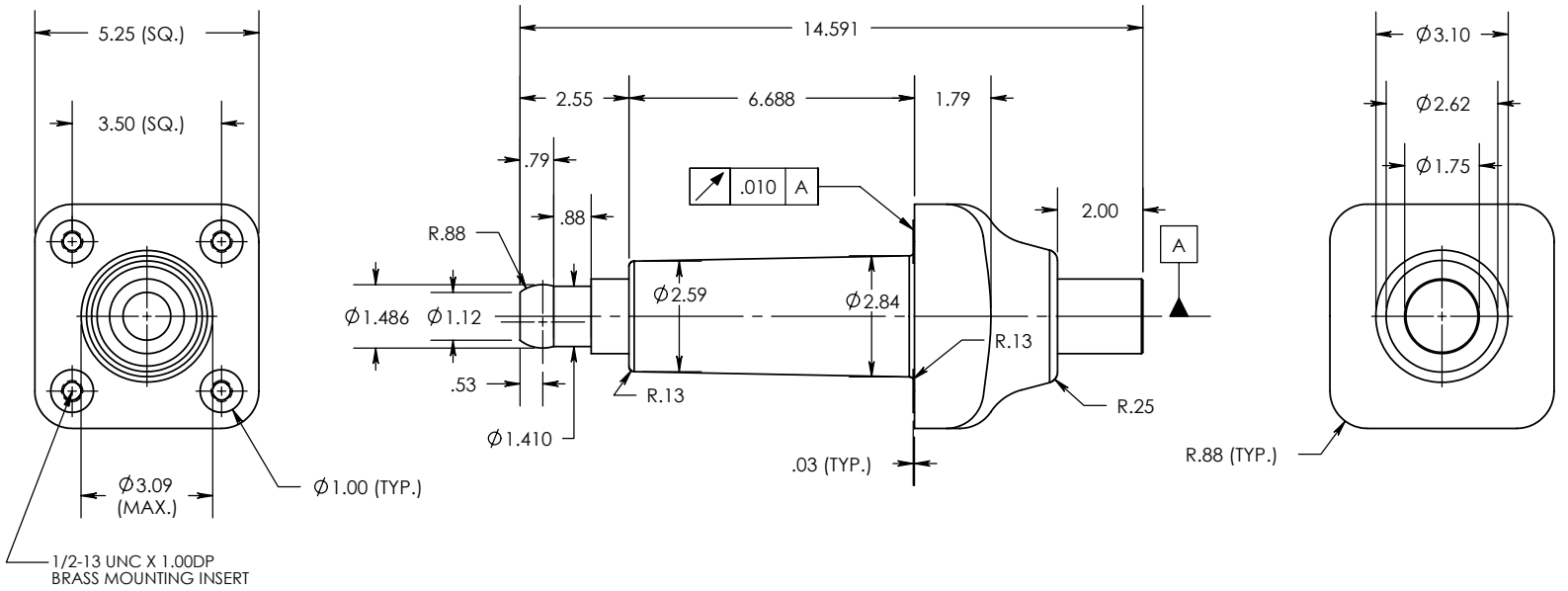
REV. 0
CAD FILE: 1500 SERIES
DWG. NO. 15-015-004



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E07 - CYCLOALIPHATIC EPOXY (OUTDOOR)
2. E06 - BISPHENOL-A EPOXY (INDOOR)
3. HD ETP COPPER, C11000; FINISH SILVER PLATED .0005 MIN. THICKNESS

SPECIFICATIONS:
1. RATED VOLTAGE 5kV
2. POWER FREQUENCY WITHSTAND 19kV
3. BASIC IMPULSE LEVEL 60KV
4. NOMINAL CURRENT RATING ..... 1200 AMPS
5. LEAKAGE DISTANCE ..... 4.25"
6. TEMPERATURE CLASSIFICATION..... -50°C TO +105°C
7. FINISHED WEIGHT ..... 16.5 LBS.

REVISIONS 0
REF.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5%
AMPERAGE	±5%
RESISTANCE	±5%

* STATISTICAL DIMENSION
NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS	DATE
DRAWN BY: DB	14/02/2003
CHECKED BY: RM	14/02/2003
ENGINEERING DB	14/02/2003

TOOLING REF. T15-015-0
PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

5KV, 1200A
SWITCHGEAR BUSHING

SIZE	DWG. NO.	REV.
A	15-015-004	0

SCALE 1:4 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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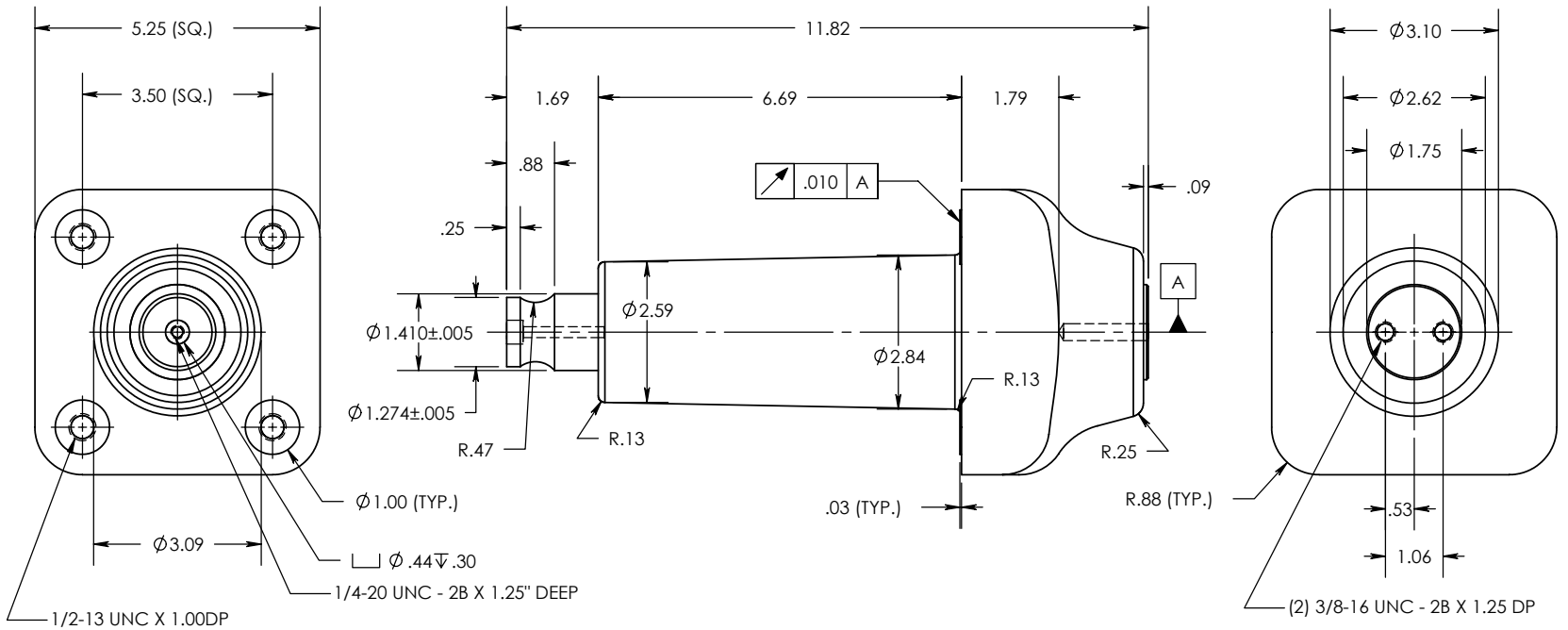
REV. 0 | CAD FILE: 1500 SERIES | DWG. NO. 15-015-005



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E09 - CYCLOALIPHATIC EPOXY (OUTDOOR)
2. E06 - BISPHENOL-A EPOXY (INDOOR)
3. HD ETP COPPER, C11000; FINISH SILVER PLATED .0005 MIN. THICKNESS

SPECIFICATIONS:
1. RATED VOLTAGE 5kV
2. POWER FREQUENCY WITHSTAND 19kV
3. BASIC IMPULSE LEVEL 60KV
4. NOMINAL CURRENT RATING ..... 1200 AMPS
5. LEAKAGE DISTANCE ..... 4.25"
6. TEMPERATURE CLASSIFICATION..... -50°C TO +105°C
7. FINISHED WEIGHT ..... 14.25 LBS.

REVISIONS 0 | REF.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5 %
AMPERAGE	±5 %
RESISTANCE	±5 %

* STATISTICAL DIMENSION
NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS	DATE
DRAWN BY: DB	14/05/2003
CHECKED BY: RM	15/05/2003
ENGINEERING DB	15/05/2003

TOOLING REF. T15-015-0
PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

5kV, 1200A
SWITCHGEAR BUSHING

SIZE	DWG. NO.	REV.
A	15-015-005	0

SCALE 1:3 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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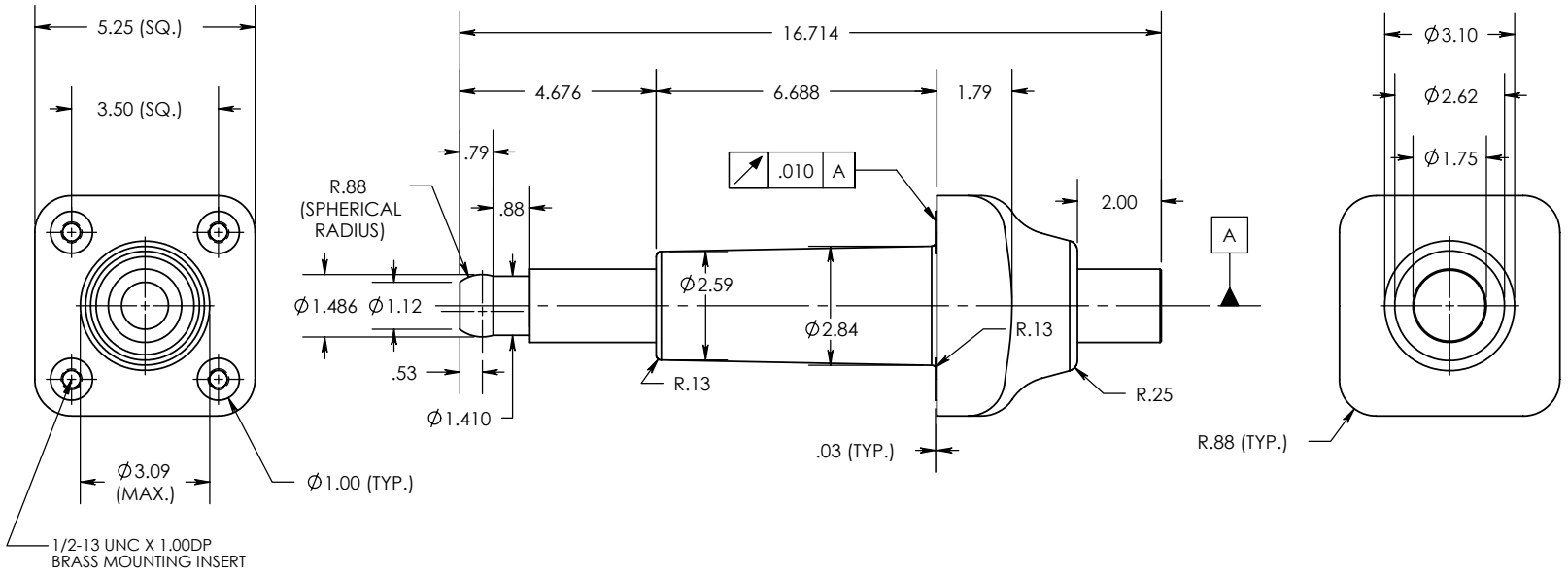
REV. 0
CAD FILE: 1500 SERIES
DWG. NO. 15-015-006



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E09 - CYCLOALIPHATIC EPOXY (OUTDOOR)
2. E06 - BISPHENOL-A EPOXY (INDOOR)
3. HD ETP COPPER, C11000; FINISH SILVER PLATED .0005 MIN. THICKNESS

SPECIFICATIONS:
1. RATED VOLTAGE 5kV
2. POWER FREQUENCY WITHSTAND 19kV
3. BASIC IMPULSE LEVEL 60KV
4. NOMINAL CURRENT RATING ..... 1200 AMPS
5. LEAKAGE DISTANCE ..... 4.25"
6. TEMPERATURE CLASSIFICATION..... -50°C TO +105°C
7. FINISHED WEIGHT ..... 15.7 LBS.

REVISIONS: 0

REF.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5 %
AMPERAGE	±5 %
RESISTANCE	±5 %

* STATISTICAL DIMENSION

NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS		DATE
DRAWN BY:	DB	15/08/2003
CHECKED BY:	RM	15/08/2003
ENGINEERING	DB	15/08/2003

TOOLING REF. T15-015-0

PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

5kV, 1200A

SWITCHGEAR BUSHING

SIZE	DWG. NO.	REV.
A	15-015-006	0

SCALE 1:4 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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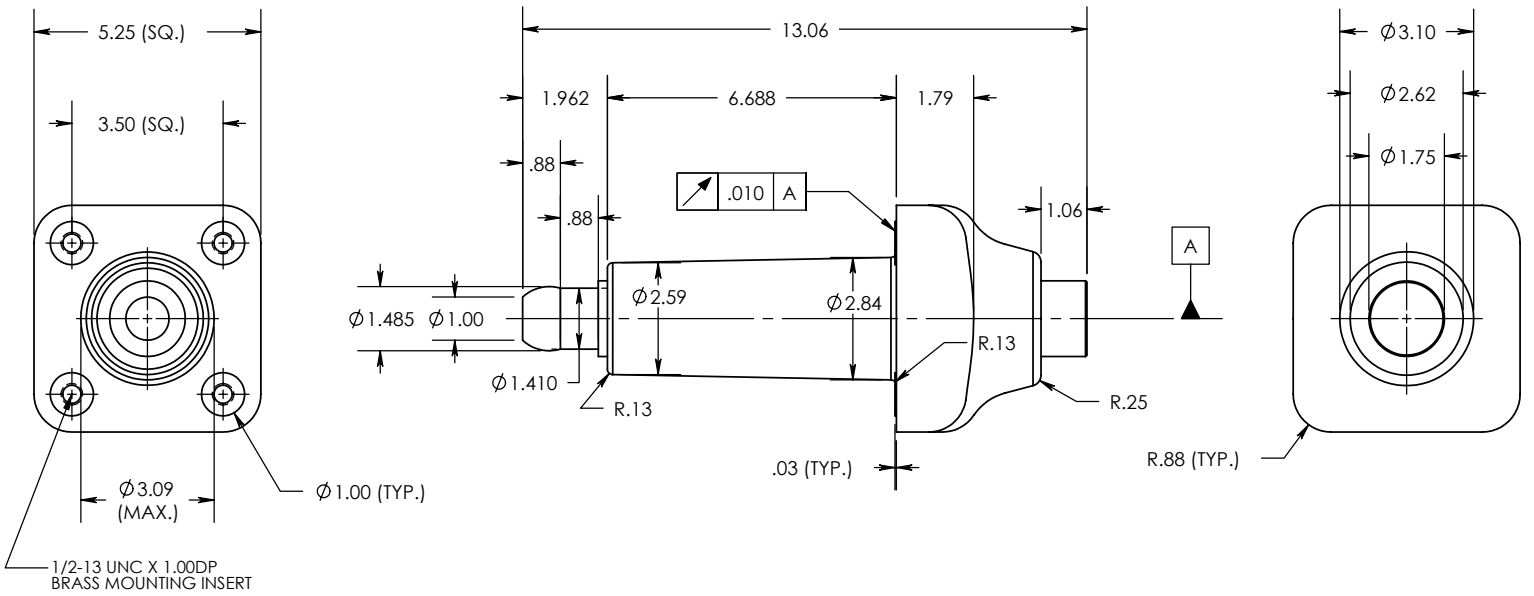
REV. 0
CAD FILE: 1500 SERIES
DWG. NO. 15-015-300



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E04 - CYCLOALIPHATIC EPOXY (OUTDOOR)
2. E06 - BISPHENOL-A EPOXY (INDOOR)
3. HD ETP COPPER, C11000; FINISH SILVER PLATED .0005 MIN. THICKNESS

SPECIFICATIONS:
1. RATED VOLTAGE 5kV
2. POWER FREQUENCY WITHSTAND 19kV
3. BASIC IMPULSE LEVEL 60KV
4. NOMINAL CURRENT RATING ..... 1200 AMPS
5. LEAKAGE DISTANCE ..... 4.25"
6. TEMPERATURE CLASSIFICATION..... -50°C TO +105°C
7. FINISHED WEIGHT ..... 14.7 LBS.

REVISIONS 0

REF.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5 %
AMPERAGE	±5 %
RESISTANCE	±5 %

* STATISTICAL DIMENSION
NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS	DATE
DRAWN BY: DB	11/07/2002
CHECKED BY: RM	12/07/2002
ENGINEERING DB	12/07/2002

TOOLING REF. T15-015-3
PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

5kV, 1200A
SWITCHGEAR BUSHING

SIZE	DWG. NO.	REV.
A	15-015-300	0

SCALE 1:4 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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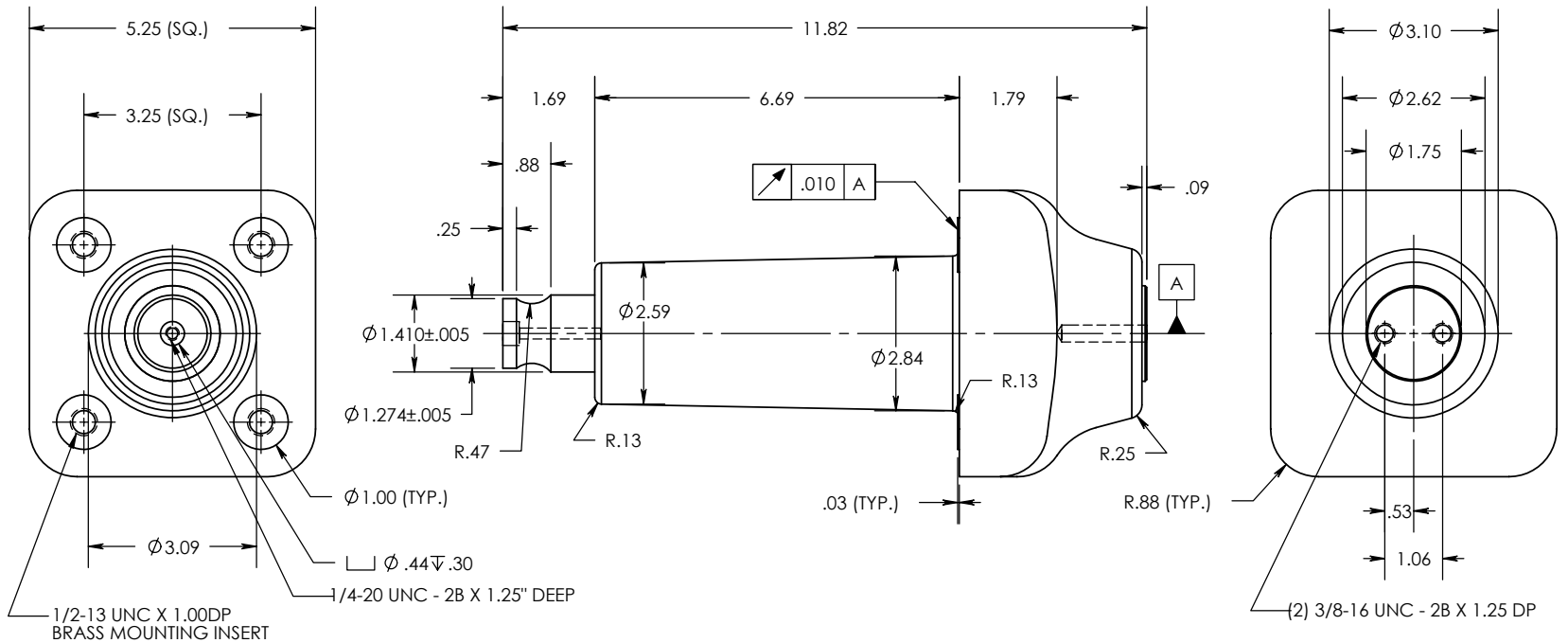
REV. 0
CAD FILE: 1500 SERIES
DWG. NO. 15-015-400



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E04 - CYCLOALIPHATIC EPOXY (OUTDOOR)
2. E06 - BISPHENOL-A EPOXY (INDOOR)
3. HD ETP COPPER, C11000; FINISH SILVER PLATED .0005 MIN. THICKNESS

SPECIFICATIONS:
1. RATED VOLTAGE 5kV
2. POWER FREQUENCY WITHSTAND 19kV
3. BASIC IMPULSE LEVEL 60KV
4. NOMINAL CURRENT RATING ..... 1200 AMPS
5. LEAKAGE DISTANCE ..... 4.25"
6. TEMPERATURE CLASSIFICATION..... -50°C TO +105°C
7. FINISHED WEIGHT ..... 14.25 LBS.

REVISIONS 0
REF.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5 %
AMPERAGE	±5 %
RESISTANCE	±5 %

* STATISTICAL DIMENSION
NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS	DATE
DRAWN BY: DB	15/10/2002
CHECKED BY: RM	15/10/2002
ENGINEERING DB	15/10/2002

TOOLING REF. T15-015-4
PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

5kV, 1200A
SWITCHGEAR BUSHING

SIZE	DWG. NO.	REV.
A	15-015-400	0

SCALE 1:3 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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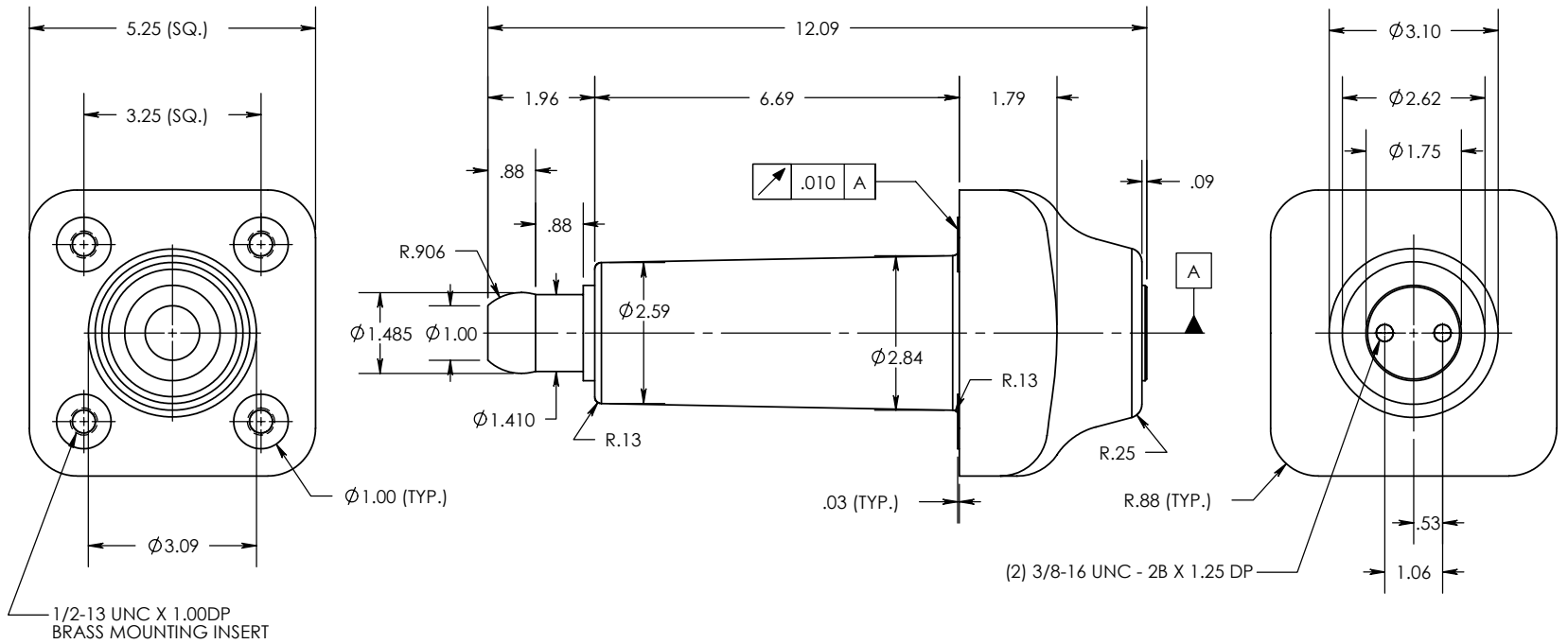
REV. 0
CAD FILE: 1500 SERIES
DWG. NO. 15-015-401



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E04 - CYCLOALIPHATIC EPOXY (OUTDOOR)
2. E06 - BISPHENOL-A EPOXY (INDOOR)
3. HD ETP COPPER, C11000; FINISH SILVER PLATED .0005 MIN. THICKNESS

SPECIFICATIONS:
1. RATED VOLTAGE 5kV
2. POWER FREQUENCY WITHSTAND 19kV
3. BASIC IMPULSE LEVEL 60KV
4. NOMINAL CURRENT RATING ..... 1200 AMPS
5. LEAKAGE DISTANCE ..... 4.25"
6. TEMPERATURE CLASSIFICATION..... -50°C TO +105°C
7. FINISHED WEIGHT ..... 14.25 LBS.

REVISIONS 0
REF.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5 %
AMPERAGE	±5 %
RESISTANCE	±5 %

* STATISTICAL DIMENSION
NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS	DATE
DRAWN BY: DB	17/12/2002
CHECKED BY: RM	17/12/2002
ENGINEERING DB	17/12/2002

TOOLING REF. T15-015-4
PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

5kV, 1200A

REPLACEMENT BUSHING

(AM 4.16-250)

SIZE	DWG. NO.	REV.
A	15-015-401	0

SCALE 1:3 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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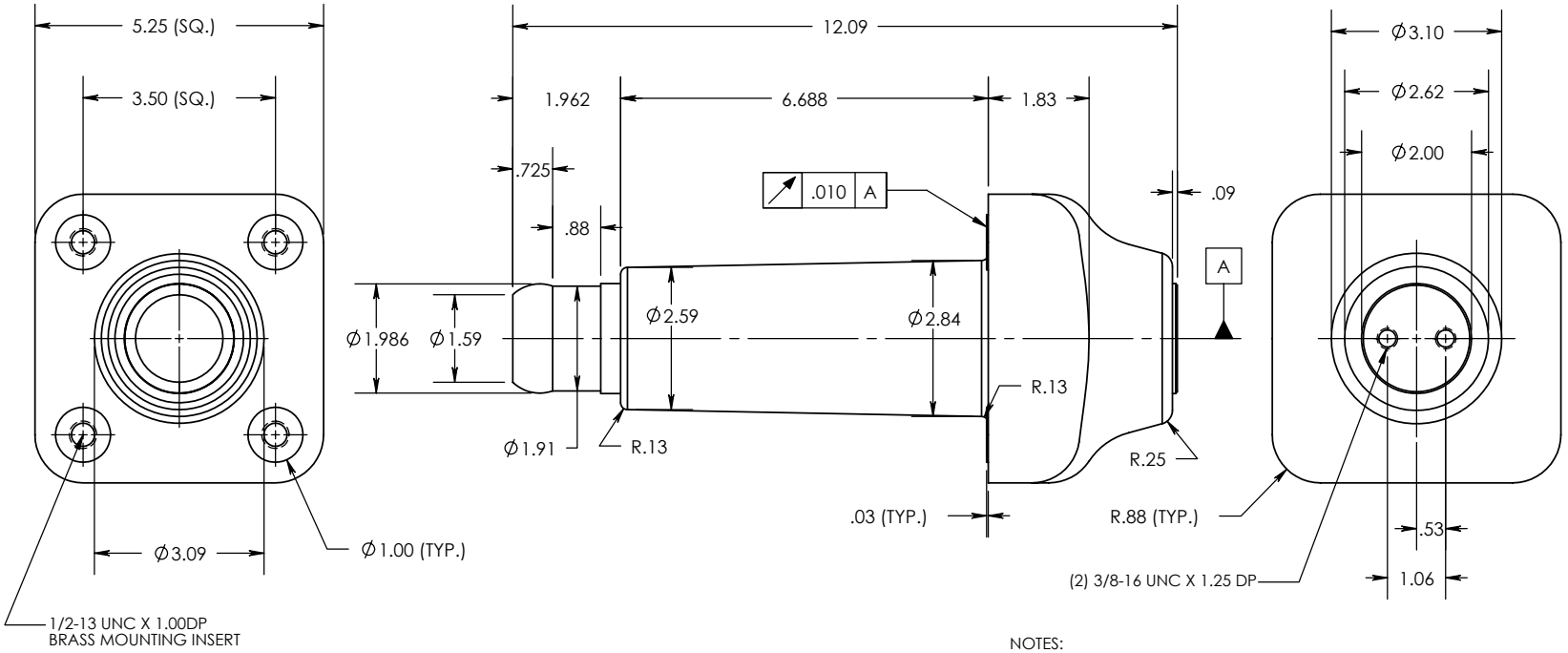
REV. 0
CAD FILE: 1500 SERIES
DWG. NO. 15-016-000



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E04 - CYCLOALIPHATIC EPOXY (OUTDOOR)
2. E06 - BISPHENOL-A EPOXY (INDOOR)
3. HD ETP COPPER, C11000; FINISH SILVER PLATED .0005 MIN. THICKNESS

SPECIFICATIONS:
1. RATED VOLTAGE 5kV
2. POWER FREQUENCY WITHSTAND 19kV
3. BASIC IMPULSE LEVEL 60KV
4. NOMINAL CURRENT RATING ..... 2000 AMPS
5. LEAKAGE DISTANCE ..... 4.13"
6. TEMPERATURE CLASSIFICATION..... -50°C TO +105°C
7. FINISHED WEIGHT ..... 16.90 LBS.

REVISIONS 0

REF.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5 %
AMPERAGE	±5 %
RESISTANCE	±5 %

* STATISTICAL DIMENSION

NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS		DATE
DRAWN BY:	DB	17/07/2001
CHECKED BY:	RM	17/07/2001
ENGINEERING	DB	17/07/2001

TOOLING REF. T15-016

PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

5kV, 2000A

SWITCHGEAR BUSHING

SIZE	DWG. NO.	REV.
A	15-016-000	0

SCALE 1:3 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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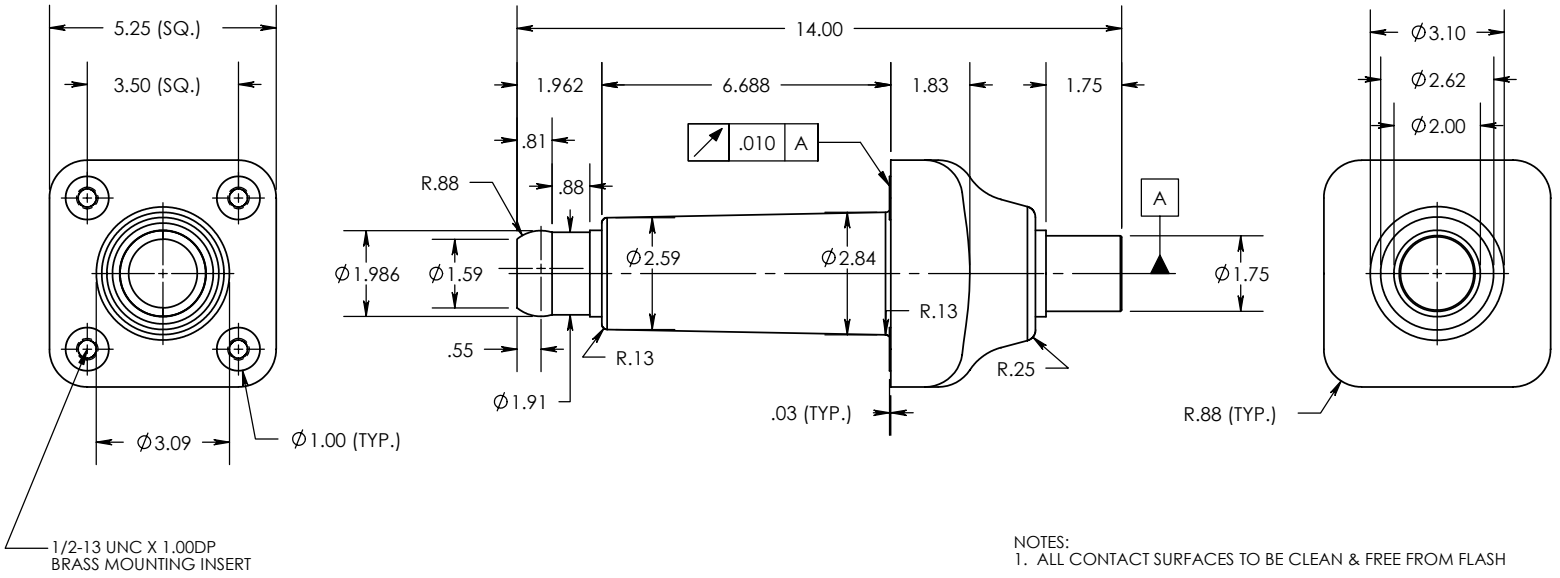
REV. 1 | CAD FILE: 1500 SERIES | DWG. NO. 15-016-001



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E09 - CYCLOALIPHATIC EPOXY (OUTDOOR)
2. E06 - BISPHENOL-A EPOXY (INDOOR)
3. HD ETP COPPER, C11000; FINISH SILVER PLATED .0005 MIN. THICKNESS

SPECIFICATIONS:
1. RATED VOLTAGE 5kV
2. POWER FREQUENCY WITHSTAND 19kV
3. BASIC IMPULSE LEVEL 60KV
4. NOMINAL CURRENT RATING ..... 2000 AMPS
5. LEAKAGE DISTANCE ..... 4.13"
6. TEMPERATURE CLASSIFICATION..... -50°C TO +105°C
7. FINISHED WEIGHT ..... 18.50 LBS.

REVISIONS	0	1
		E09 EPOXY WAS E04. 14.00 WAS 13.995 RM 05/05/2003 DB 05/05/2003
REF.		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5%
AMPERAGE	±5%
RESISTANCE	±5%

* STATISTICAL DIMENSION
NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS		DATE
DRAWN BY:	DB	11/10/2002
CHECKED BY:	RM	16/10/2002
ENGINEERING	DB	16/10/2002

TOOLING REF. T15-016-0
PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

5kV, 2000A
SWITCHGEAR BUSHING

SIZE	DWG. NO.	REV.
A	15-016-001	1

SCALE 1:4 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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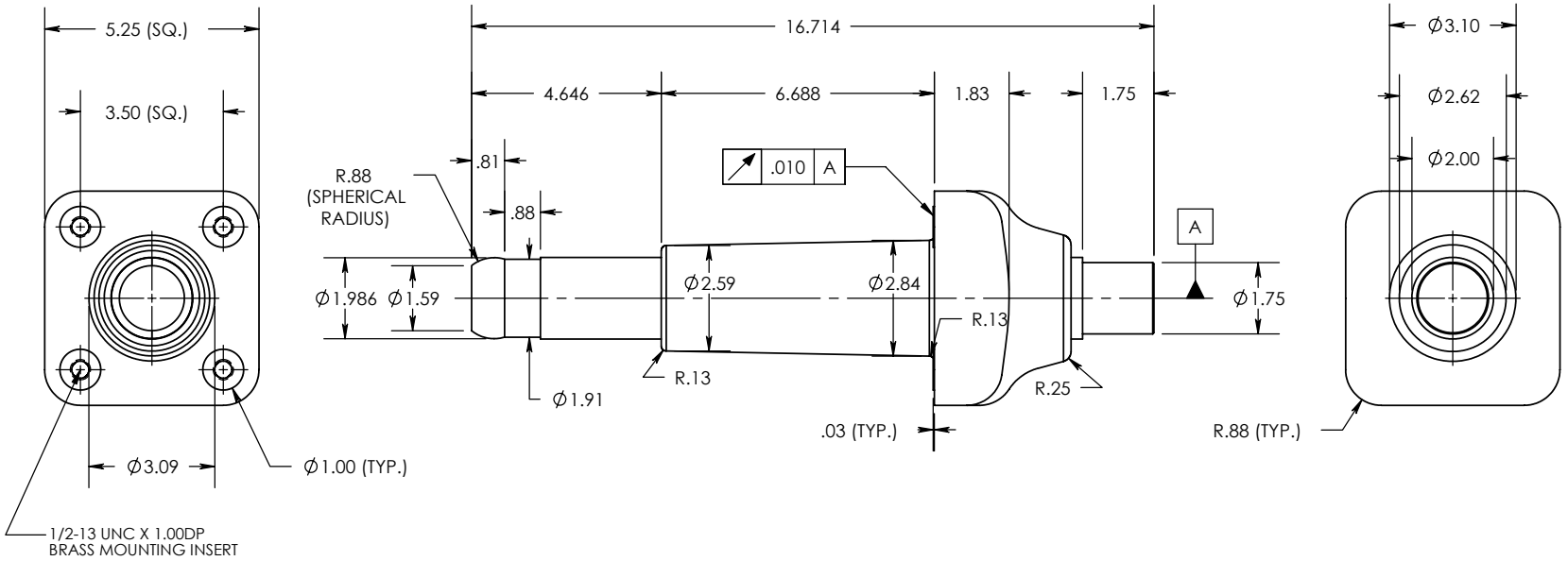
REV. 0
CAD FILE: 1500 SERIES
DWG. NO. 15-016-002



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E09 - CYCLOALIPHATIC EPOXY (OUTDOOR)
2. E06 - BISPHENOL-A EPOXY (INDOOR)
3. HD ETP COPPER, C11000; FINISH SILVER PLATED .0005 MIN. THICKNESS

SPECIFICATIONS:
1. RATED VOLTAGE 5kV
2. POWER FREQUENCY WITHSTAND 19kV
3. BASIC IMPULSE LEVEL 60KV
4. NOMINAL CURRENT RATING ..... 2000 AMPS
5. LEAKAGE DISTANCE ..... 4.13"
6. TEMPERATURE CLASSIFICATION..... -50°C TO +105°C
7. FINISHED WEIGHT ..... 21.25 LBS.

REVISIONS 0
REF.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5 %
AMPERAGE	±5 %
RESISTANCE	±5 %

* STATISTICAL DIMENSION
NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS		DATE
DRAWN BY:	DB	25/08/2003
CHECKED BY:	RM	25/08/2003
ENGINEERING	DB	25/08/2003

TOOLING REF. T15-016-0
PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

5kV, 2000A
SWITCHGEAR BUSHING

SIZE	DWG. NO.	REV.
A	15-016-002	0

SCALE 1:4 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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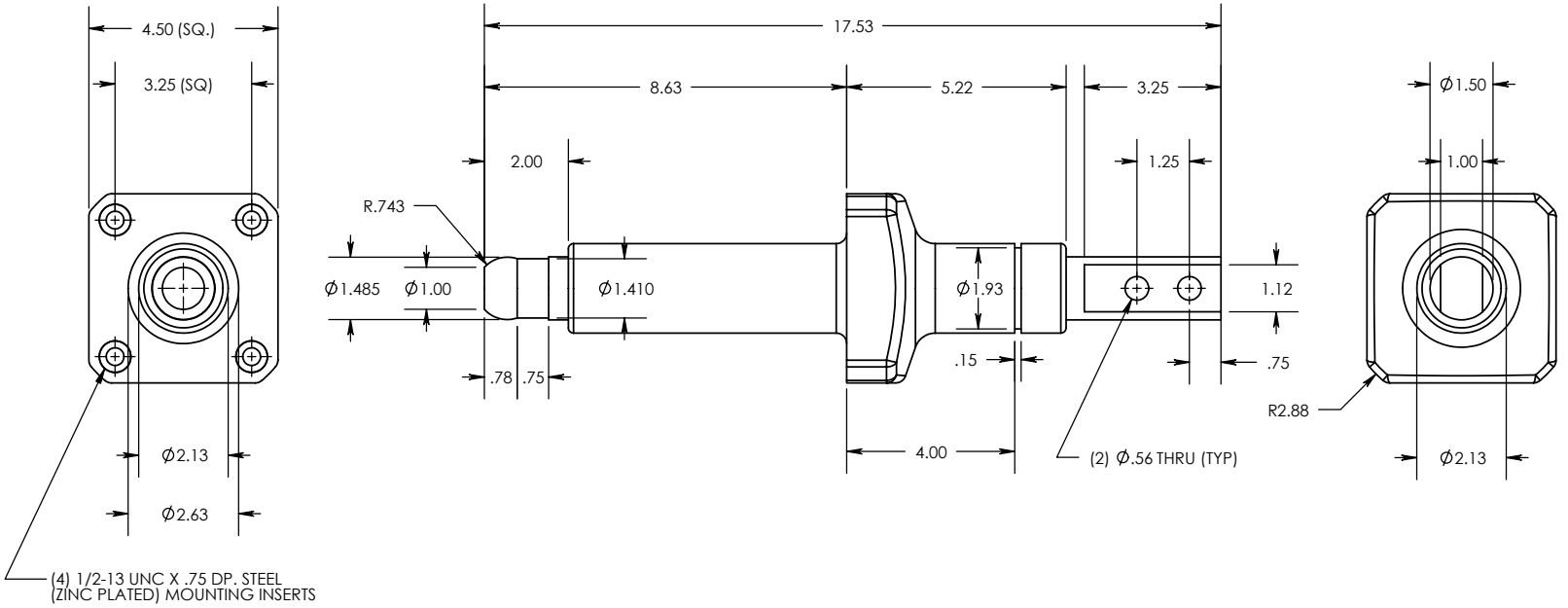
REV. 1
CAD FILE: 1500 SERIES
DWG. NO. 15-000-000



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E04 - CYCLOALIPHATIC EPOXY
2. C110 GRADE COPPER (SILVER PLATED)

SPECIFICATIONS:
1. BASIC IMPULSE LEVEL 60KV
2. NOMINAL CURRENT RATING..... 1200 AMPS
3. TEMPERATURE CLASSIFICATION..... -5°C TO 105°C

REV.	REVISIONS	REF.
0	MOUNTING INSERTS WERE 3/8-16 UNC DB 05-12-2000	
1		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5%
AMPERAGE	±5%
RESISTANCE	±5%

* STATISTICAL DIMENSION
NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS	DATE
DRAWN BY: DB	03/14/2000
CHECKED BY:	
ENGINEERING	

TOOLING REF. T15-000-0
PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

1500 SERIES - 5kV
G.E. MAGNABLAST
AM VERSION (SHORT)

SIZE	DWG. NO.	REV.
A	15-000-000	1

SCALE 1:4 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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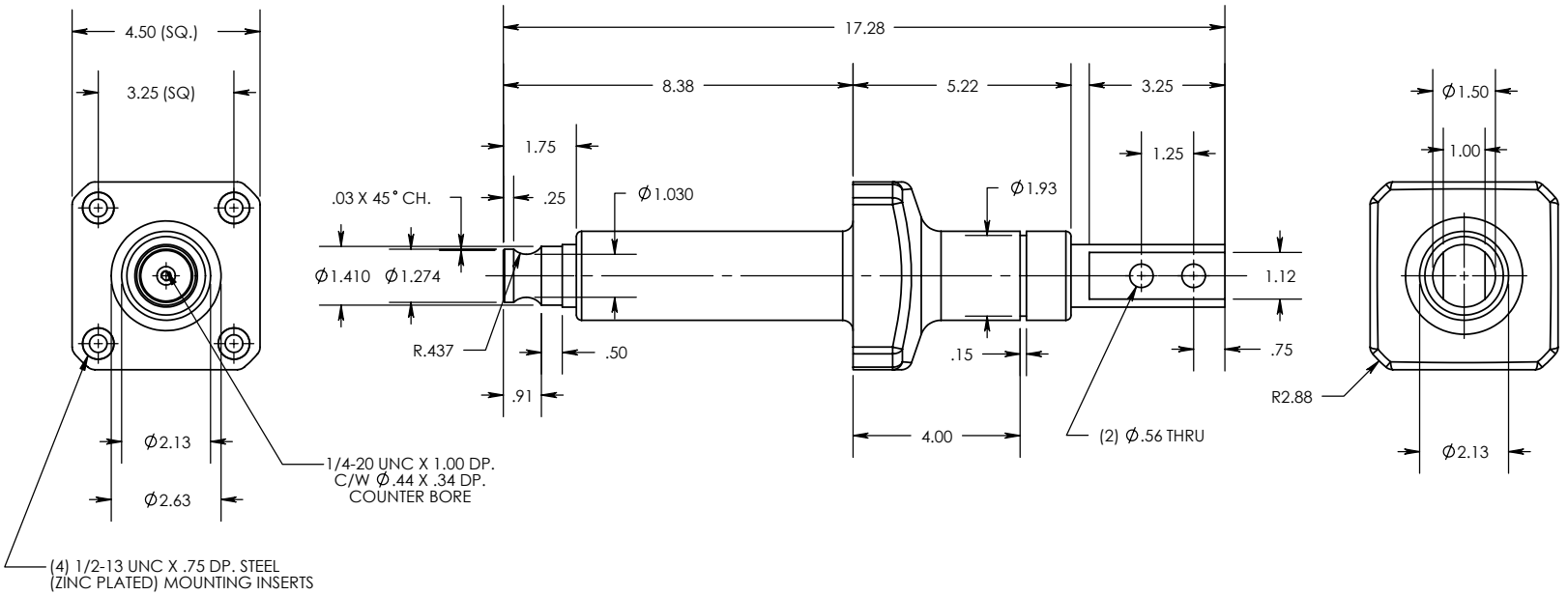
REV. 1
CAD FILE: 1500 SERIES
DWG. NO. 15-000-001



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E04 - CYCLOALIPHATIC EPOXY
2. C110 GRADE COPPER (SILVER PLATED)

SPECIFICATIONS:
1. BASIC IMPULSE LEVEL 60KV
2. NOMINAL CURRENT RATING..... 1200 AMPS
3. TEMPERATURE CLASSIFICATION..... -5°C TO 105°C

REVISIONS	
0	1
MOUNTING INSERTS WERE 3/8-16 UNC DB 05-12-2000	

REF.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5%
AMPERAGE	±5%
RESISTANCE	±5%

* STATISTICAL DIMENSION
NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS	DATE
DRAWN BY: DB	03/14/2000
CHECKED BY: RM	05/12/2000
ENGINEERING DB	05/12/2000

TOOLING REF. T15-000-0
PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

1500 SERIES - 5kV
G.E. MAGNABLAST
AMH VERSION (SHORT)

SIZE	DWG. NO.	REV.
A	15-000-001	1

SCALE 1:4 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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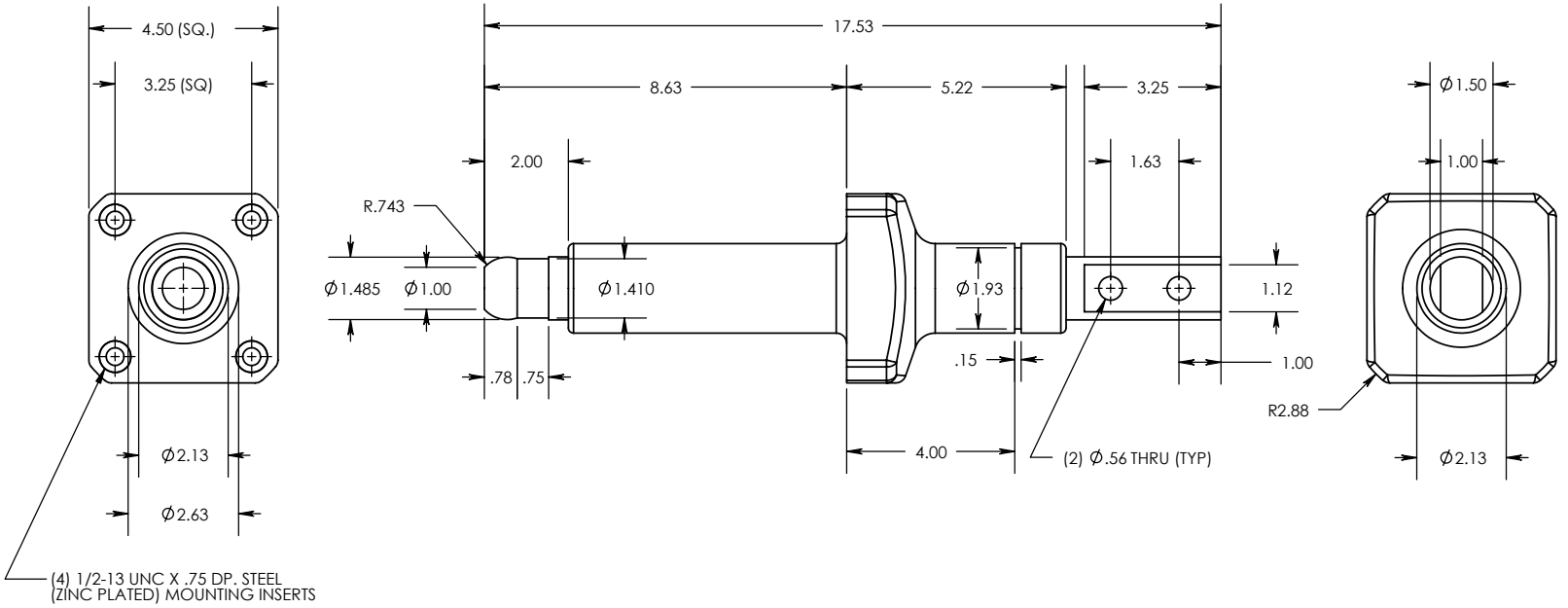
REV. 0 | CAD FILE: 1500 SERIES | DWG. NO. 15-000-002



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E04 - CYCLOALIPHATIC EPOXY
2. C110 GRADE COPPER (SILVER PLATED)

SPECIFICATIONS:
1. BASIC IMPULSE LEVEL 60KV
2. NOMINAL CURRENT RATING..... 1200 AMPS
3. TEMPERATURE CLASSIFICATION..... -5°C TO 105°C

REVISIONS 0 | REF.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5 %
AMPERAGE	±5 %
RESISTANCE	±5 %

* STATISTICAL DIMENSION
NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS	DATE
DRAWN BY: DB	10/14/2000
CHECKED BY:	
ENGINEERING	

TOOLING REF. T15-000-0
PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

1500 SERIES - 5kV
G.E. MAGNABLAST
AM VERSION (SHORT)

SIZE	DWG. NO.	REV.
A	15-000-002	0

SCALE 1:4 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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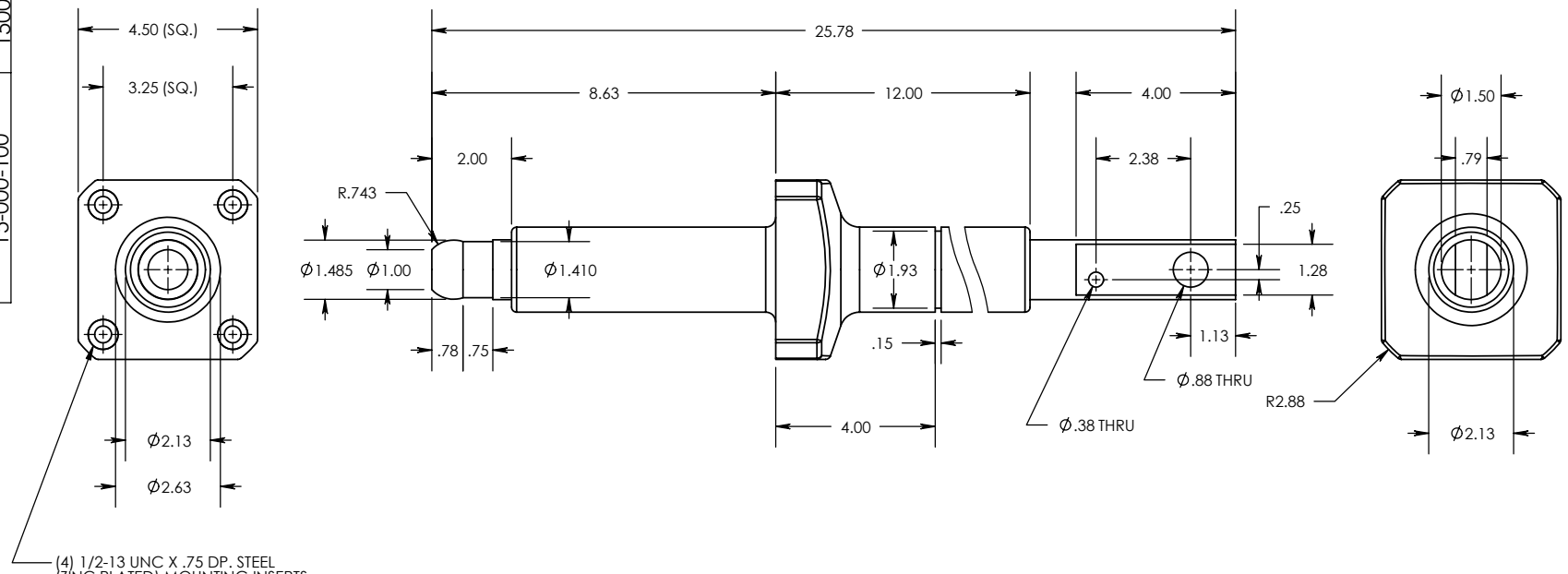
REV. 2
CAD FILE: 1500 SERIES
DWG. NO. 15-000-100



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E04 - CYCLOALIPHATIC EPOXY
2. C110 GRADE COPPER (SILVER PLATED)

SPECIFICATIONS:
1. BASIC IMPULSE LEVEL 60KV
2. NOMINAL CURRENT RATING..... 1200 AMPS
3. TEMPERATURE CLASSIFICATION..... -5°C TO 105°C

REVISIONS		
0	1	2
	MOUNTING INSERTS WERE 3/8-16 UNC DB 05-12-2000	.79 WAS .75 DB 10-25-2000

REF.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5%
AMPERAGE	±5%
RESISTANCE	±5%

* STATISTICAL DIMENSION
NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS	DATE
DRAWN BY: DB	03/14/2000
CHECKED BY:	
ENGINEERING	

TOOLING REF. T15-000-1
PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

1500 SERIES - 5kV
G.E. MAGNABLAST
AM VERSION (LONG)

SIZE	DWG. NO.	REV.
A	15-000-100	2

SCALE 1:4 | CAD FILE: 1500 SERIES | SHEET 1 OF 1

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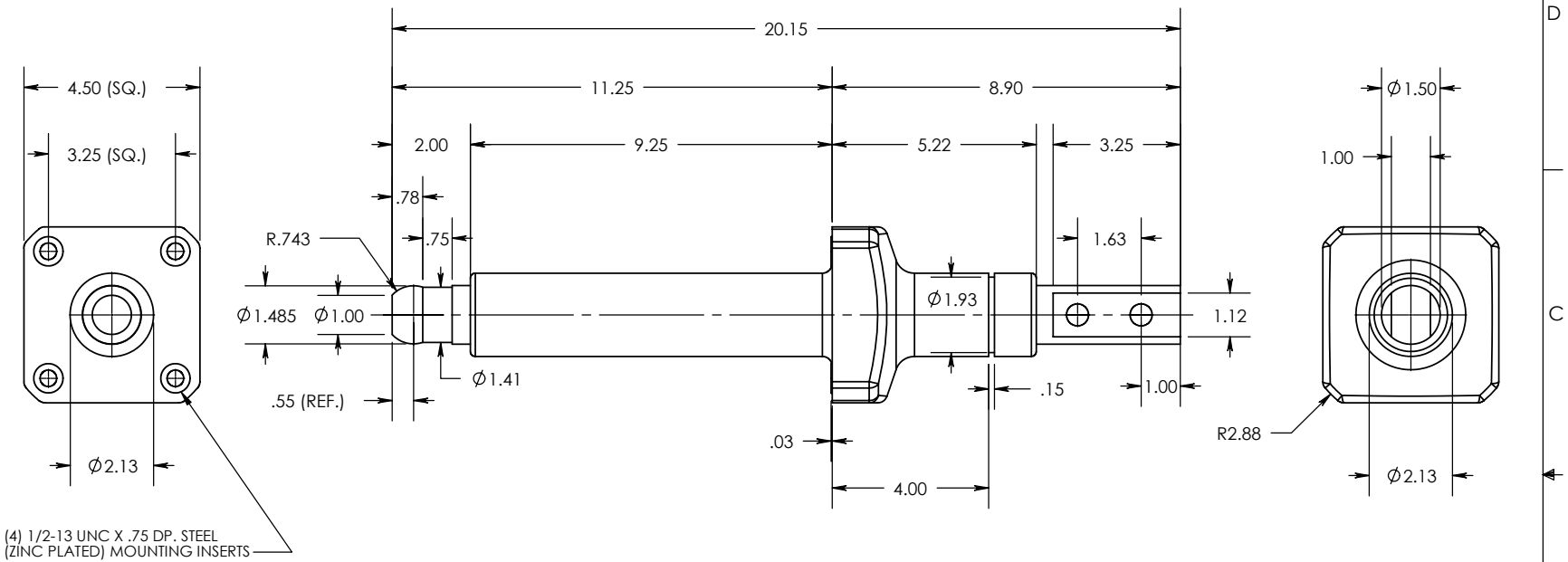
REV. 0
CAD FILE: 1500 SERIES
DWG. NO. 15-000-200



NOTES:
1. ALL CONTACT SURFACES TO BE CLEAN & FREE FROM FLASH

MATERIAL:
1. E09 - CYCLOALIPHATIC EPOXY
2. HD ETP C11000 GRADE COPPER (SILVER PLATED)

SPECIFICATIONS:
1. BASIC IMPULSE LEVEL 60KV
2. NOMINAL CURRENT RATING..... 1200 AMPS
3. TEMPERATURE CLASSIFICATION..... -5°C TO 105°C

REVISIONS 0
REF.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

ONE PLACE MM	±0.50
TWO PLACE MM	±0.25
TWO PLACE DEC.	±.020
THREE PLACE DEC.	±.010
ANGLES	1°
TEMPERATURE	±5°C
VOLTAGE	±5 %
AMPERAGE	±5 %
RESISTANCE	±5 %

* STATISTICAL DIMENSION
NO. OF SAMPLES [0]

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE.

APPROVALS	DATE
DRAWN BY: DB	28/08/2003
CHECKED BY: RM	02/09/2003
ENGINEERING DB	02/09/2003

TOOLING REF. T15-000-2
PRODUCT GROUP 1500 SERIES

ENGINEERED POWER COMPONENTS

1500 SERIES - 5kV
G.E. MAGNEBLAST AM VERSION

SIZE A | DWG. NO. 15-000-200 | REV. 0
SCALE 1:4 | CAD FILE: 1500 SERIES | SHEET 1 OF 1