

Delivering leading edge, innovative power solutions for more than 30 years....

Model:GT-43007-40VV-Q(-40Deg)

April 29, 2024

UL 1310 & 60950-1 Class 2 Power Supply, 40W, wall plug in with changeable blades available from 12~48VDC output and rated operating temp as low as -40 C

Information

Model Number	GT-43007-40VV-Q(-40Deg)
Description	GT-43007-40VV-Q(-40Deg), ICT/ITE Power Supply/Class 2 Power Unit, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, Blade Options for Q Series Wall Plug-in Power Supplies, Output Rating: 40 Watts, Power rating with convection cooling (W) , 12-48V in 0.1V increments, Approvals: UKCA; CB 60950; CE; cETLus UL1310; cETLus UL1310; RoHS; China RoHS; cULus; Double Insulation; FCC; GOST-R; IP52; Level V; LPS 60950; PSE; S-Mark 60950; SELV; Ukraine; UL 1310; VCCI;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GT-43007%20Interchangeable/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000MgteAEAR
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000MgteAEAR
REACH Declaration	https://www.globtek.com/pdf/iso_certificates/REACH.pdf
Conflict Minerals Declaration	https://www.globtek.com/pdf/conflict-minerals.pdf

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MODEL PARAMETERS

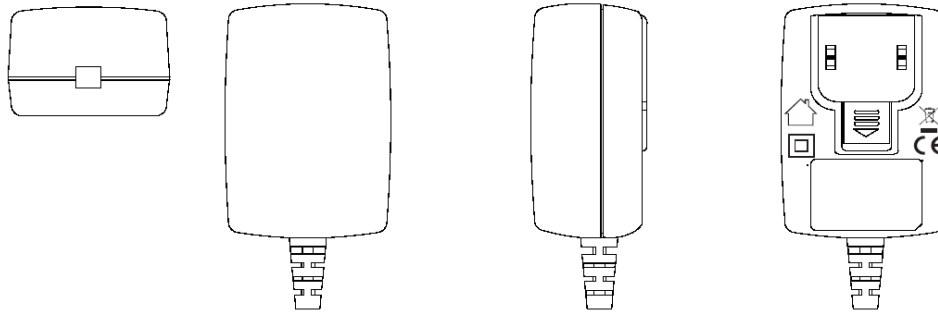
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply/Class 2 Power Unit
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.0A
Wattage (W)	40.0
Vout Range (V)	12-48
Efficiency Level	V
Ingress Protection	IP52
Size (mm)	

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: Specified 90-264 Vac, Nameplate rated 100-240 Vac
02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60 Hz
03. Output Regulation: +/- 5% measured at the output connector
04. Line Voltage Regulation: +/- 1% typical measured the output connector
05. Output Ripple (Vp-p): +/-1% or 150 mV whichever is greater at nominal output voltage. Measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 10 uf electrolytic capacitor connected at the end of the output connector.
- 06 Turn-ON/OFF Overshoot: 5% maximum, 500uS max recovery time for 25% step load.
07. Turn-ON Delay: 3000 mS maximum.
08. Hold-Up Time: 10 mS Minimum at nominal input and full load.
09. Inrush Current: 30A maximum at cold start, 120Vac, 60A maximum cold start 230 Vac
10. Switching Frequency: 65 KHz typical

B) PROTECTION

01. Over-Voltage: Protected, unit will auto recover upon removal of fault
02. Short Circuit: Protected, unit will auto recover upon removal of fault
03. Input Protection: Input line fusing

C) SAFETY

01. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
02. Touch Current: <0.25mA @ 240Vac input voltage
03. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: -40°C to 40°C ambient temperature
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -40°C to 80°C
05. Cooling: Convection

E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 43.5 x 74.0 x 35.3 +/- 1.0 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case

Engineering note for GT-43007-4024 24V:

CHANGES REQUIRED FOR OPERATION AT -40°C AMBIENT TEMPERATURE:

1. R20 2.4 Kohm 1%.
2. OUTPUT CAPACITOR C3 & C4 MUST BE RATED -55°C TO 105°C SAMXON BRAND OR EQUIVALENT.

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DERATING CURVE

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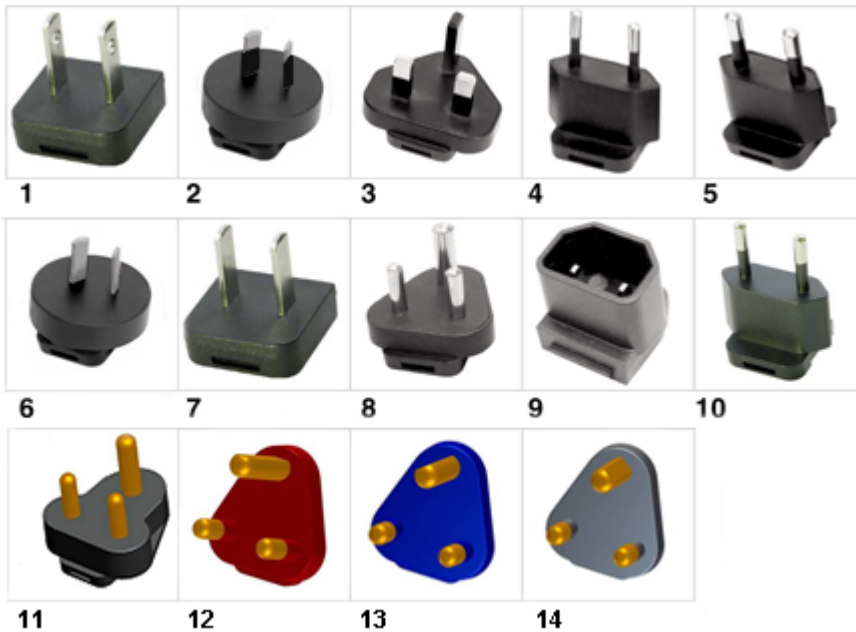
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INPUT CONFIGURATION

Description Blade Options for Q Series Wall Plug-in Power Supplies

Data Sheet: <http://en.globtek.com/interchangeable-blades.php>

Insertion Instructions: <http://www.globtek.com/pdf/Instructions-Interchangeable-Blades.pdf>

Video: [Q-Blade Style Instruction Video](#)


INPUT CONNECTOR: Q-Socket (below are available blades configurations which are "not included" (unless stated above); can be purchased separately, package with power supply or as a separate "Q-KIT" if specified

01. United States / Canada / Japan NEMA 1-15P/ IEC PLUG Type A [WORKS IN PLUG B] configuration: NA 2 blades, Class II; US/CA/JP P/N: Q-NA(R)
02. Australian AS 3112 configuration: SAA 2 blade/ IEC TYPE I, Class II; AU P/N: Q-SAA(R)
03. UK BS 1363 configuration: UK 3 blade with dummy Ground/ IEC TYPE G, Class II; GB P/N: Q-UK(R)
04. European CEE 7/16 configuration: Europlug 2 pins/ IEC TYPE C [WORKS IN TYPE E&F], Class II; EU P/N: Q-EU(R)
05. Korean KS C8305 configuration: 2 pins/SIMILAR TO IEC TYPE C, Class II; KR P/N: Q-KR(R)
06. Argentina IRAM 2073 configuration: 2 blades/SIMILAR TO IEC TYPE I; AR P/N: Class II Q-AR(R)
07. China GB 2099 configuration: 2 blades/SIMILAR TO TYPE A, Class II; CN P/N: Q-CN(R)
08. India IS 1293 6A/BS546 configuration: 5A, 3 pins with Dummy Ground, Class II/IEC TYPE D; IN P/N: Q-IN(R)
09. IEC60320/C18 Inlet, Class II; P/N: Q-C18(R)
10. Brazilian NBR6147 configuration: 2 pins, Class II;SIMILAR TO IEC TYPE C BR P/N: Q-BR(R)
11. South Africa SABS164-1 and India IS 1293, IS694, 16A type plug, 3 round prongs, Class II + dummy ground, IEC TYPE M P/N: Q-SANS164-1-16A(R)
12. South Africa SABS164-4, 3 round prongs with a notched prong @ 0°, Class II + dummy ground, IEC TYPE M Red, P/N: Q-SANS164-4C-16A(R)

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13. South Africa SABS164-4, 3 round prongs with a notched prong @ -53°, Class II + dummy ground, Blue, IEC TYPE M,
P/N:

Q-SANS164-4L-16A(R)

14. South Africa SABS164-4, 3 round prongs with a notched prong @ +53°, Class II + dummy ground, Black, IEC TYPE M
P/N:

Q-SANS164-4R-16A(R)

Kits

01. Q-KIT: 1,2,3,4 above

02. Q-KIT-INTL: 2,3,4 above

03. Q-KIT-6: 1,2,3,4,5,6 above

04. Q-KIT-7: 1,2,3,4,5,6,7 above

05. Q-KIT-8: 1,2,3,4,5,6,7,8 above

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OUTPUT CONFIGURATION

Common output connector options:



L Type (Coaxial
5.5x2.5mm plug)



C Type (Coaxial
5.5x2.1mm plug)



K Type (Coaxial
3.5x1.3mm plug)



LL Type (5.5x2.5mm
Locking 760k type)



CL Type (5.5x2.1mm
Locking S761k type)



ML2 Type (Molex
housing 43025-0200)



YL3 Type
(KPPX-3P)



YL4 Type (KPPX-4P)



EJ1/2/3/4/5 (EIAJ
RC-5320A type
connectors)



MSB Type (Micro
USB)



USBC Type (USB
Type C)



Inquire for custom
design

For a comprehensive list of options, [click here](#)

Contact GlobTek for your specific requirements or custom solutions.

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Approvals

Logo	Description
No Logo Applicable	CB report 60950-1 2nd Ed
No Logo	CB Certificate IEC 60950-1:2005 (2nd Edition), Am 1: 2009, CB report IEC 60950-1:2005 (2nd Edition), Am 1: 2009 and EN 60950-1:2006 + Am 1:2010 + Am 11:2009 + Am 12:2011
	CE Mark: tested to comply with EN55022:2006/A1:2007 Class B, EN610003-2, EN610003-3, EN610004-2, EN610004-3, EN610004-4, EN610004-5, EN610004-6N EN610005-2, EN610005-4, EN610005-5, EN610005-6, EN610006-3, EN610006-4, EN610006-6, EN610006-7, EN610006-8, EN610006-9, EN610006-10, EN610006-11, EN610006-12, EN610006-13, EN610006-14, EN610006-15, EN610006-16, EN610006-17, EN610006-18, EN610006-19, EN610006-20, EN610006-21, EN610006-22, EN610006-23, EN610006-24, EN610006-25, EN610006-26, EN610006-27, EN610006-28, EN610006-29, EN610006-30, EN610006-31, EN610006-32, EN610006-33, EN610006-34, EN610006-35, EN610006-36, EN610006-37, EN610006-38, EN610006-39, EN610006-40, EN610006-41, EN610006-42, EN610006-43, EN610006-44, EN610006-45, EN610006-46, EN610006-47, EN610006-48, EN610006-49, EN610006-50, EN610006-51, EN610006-52, EN610006-53, EN610006-54, EN610006-55, EN610006-56, EN610006-57, EN610006-58, EN610006-59, EN610006-60, EN610006-61, EN610006-62, EN610006-63, EN610006-64, EN610006-65, EN610006-66, EN610006-67, EN610006-68, EN610006-69, EN610006-70, EN610006-71, EN610006-72, EN610006-73, EN610006-74, EN610006-75, EN610006-76, EN610006-77, EN610006-78, EN610006-79, EN610006-80, EN610006-81, EN610006-82, EN610006-83, EN610006-84, EN610006-85, EN610006-86, EN610006-87, EN610006-88, EN610006-89, EN610006-90, EN610006-91, EN610006-92, EN610006-93, EN610006-94, EN610006-95, EN610006-96, EN610006-97, EN610006-98, EN610006-99, EN610006-100, EN610006-101, EN610006-102, EN610006-103, EN610006-104, EN610006-105, EN610006-106, EN610006-107, EN610006-108, EN610006-109, EN610006-110, EN610006-111, EN610006-112, EN610006-113, EN610006-114, EN610006-115, EN610006-116, EN610006-117, EN610006-118, EN610006-119, EN610006-120, EN610006-121, EN610006-122, EN610006-123, EN610006-124, EN610006-125, EN610006-126, EN610006-127, EN610006-128, EN610006-129, EN610006-130, EN610006-131, EN610006-132, EN610006-133, EN610006-134, EN610006-135, EN610006-136, EN610006-137, EN610006-138, EN610006-139, EN610006-140, EN610006-141, EN610006-142, EN610006-143, EN610006-144, EN610006-145, EN610006-146, EN610006-147, EN610006-148, EN610006-149, EN610006-150, EN610006-151, EN610006-152, EN610006-153, EN610006-154, EN610006-155, EN610006-156, EN610006-157, EN610006-158, EN610006-159, EN610006-160, EN610006-161, EN610006-162, EN610006-163, EN610006-164, EN610006-165, EN610006-166, EN610006-167, EN610006-168, EN610006-169, EN610006-170, EN610006-171, EN610006-172, EN610006-173, EN610006-174, EN610006-175, EN610006-176, EN610006-177, EN610006-178, EN610006-179, EN610006-180, EN610006-181, EN610006-182, EN610006-183, EN610006-184, EN610006-185, EN610006-186, EN610006-187, EN610006-188, EN610006-189, EN610006-190, EN610006-191, EN610006-192, EN610006-193, EN610006-194, EN610006-195, EN610006-196, EN610006-197, EN610006-198, EN610006-199, EN610006-200, EN610006-201, EN610006-202, EN610006-203, EN610006-204, EN610006-205, EN610006-206, EN610006-207, EN610006-208, EN610006-209, EN610006-210, EN610006-211, EN610006-212, EN610006-213, EN610006-214, EN610006-215, EN610006-216, EN610006-217, EN610006-218, EN610006-219, EN610006-220, EN610006-221, EN610006-222, EN610006-223, EN610006-224, EN610006-225, EN610006-226, EN610006-227, EN610006-228, EN610006-229, EN610006-230, EN610006-231, EN610006-232, EN610006-233, EN610006-234, EN610006-235, EN610006-236, EN610006-237, EN610006-238, EN610006-239, EN610006-240, EN610006-241, EN610006-242, EN610006-243, EN610006-244, EN610006-245, EN610006-246, EN610006-247, EN610006-248, EN610006-249, EN610006-250, EN610006-251, EN610006-252, EN610006-253, EN610006-254, EN610006-255, EN610006-256, EN610006-257, EN610006-258, EN610006-259, EN610006-260, EN610006-261, EN610006-262, EN610006-263, EN610006-264, EN610006-265, EN610006-266, EN610006-267, EN610006-268, EN610006-269, EN610006-270, EN610006-271, EN610006-272, EN610006-273, EN610006-274, EN610006-275, EN610006-276, EN610006-277, EN610006-278, EN610006-279, EN610006-280, EN610006-281, EN610006-282, EN610006-283, EN610006-284, EN610006-285, EN610006-286, EN610006-287, EN610006-288, EN610006-289, EN610006-290, EN610006-291, EN610006-292, EN610006-293, EN610006-294, EN610006-295, EN610006-296, EN610006-297, EN610006-298, EN610006-299, EN610006-300, EN610006-301, EN610006-302, EN610006-303, EN610006-304, EN610006-305, EN610006-306, EN610006-307, EN610006-308, EN610006-309, EN610006-310, EN610006-311, EN610006-312, EN610006-313, EN610006-314, EN610006-315, EN610006-316, EN610006-317, EN610006-318, EN610006-319, EN610006-320, EN610006-321, EN610006-322, EN610006-3

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	Indoor Use Only - Mark is on the label or Molded in the case
IP52	Ingress Protection: ?IP52 to IEC60529:2001 Protected against dust - limited ingress (no deposit) and Protected against direct sprays up to 15 degrees from the vertical
EFFICIENCY LEVEL 	Efficiency: complies to section 301 of Energy Independence and Security Act (EISA) co Energy Star tier 2 (North America), ECP tier 2 (China), MEPS tier 2 (Australia), Code of (Europe)
LPS	Limited Power Source 60950
 GlobTek, Inc.	JAPAN TUV Rheinland-PSE GlobTek Inc to J60950-1(H26) , J55022(H22),J3000(H25). the procedure listed in the following link for proper import to Japan: https://www.globtek.com/r2/Szj4Vb
RoHS	Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-E http://www.ce-mark.com/Rohs%20final.pdf
 Intertek	S-Mark Certificate EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011+A2:2013 (http://www.intertek.com/marks/s/)
SELV	safety/separated extra-low voltage IEC 60950-1: 2005 (2nd Edition) and/or EN 60950-1
	UKCA Certification
 10276	Ukraine UKRSepr (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
DO NOT REMOVE THE TAG WARNING/ADVERTISEMENT RISK OF ELECTRIC SHOCK DRY LOCATION USE ONLY FOR INDOOR USE ONLY Risque de choc électrique Utilisation endroit sec Pour une utilisation en intérieur See instructions if the input plug does not fit the power outlet	UL1310 Warning Label Up To 36 Volts with plugs
	Japan: Voluntary Control Council for Interference (VCCI)

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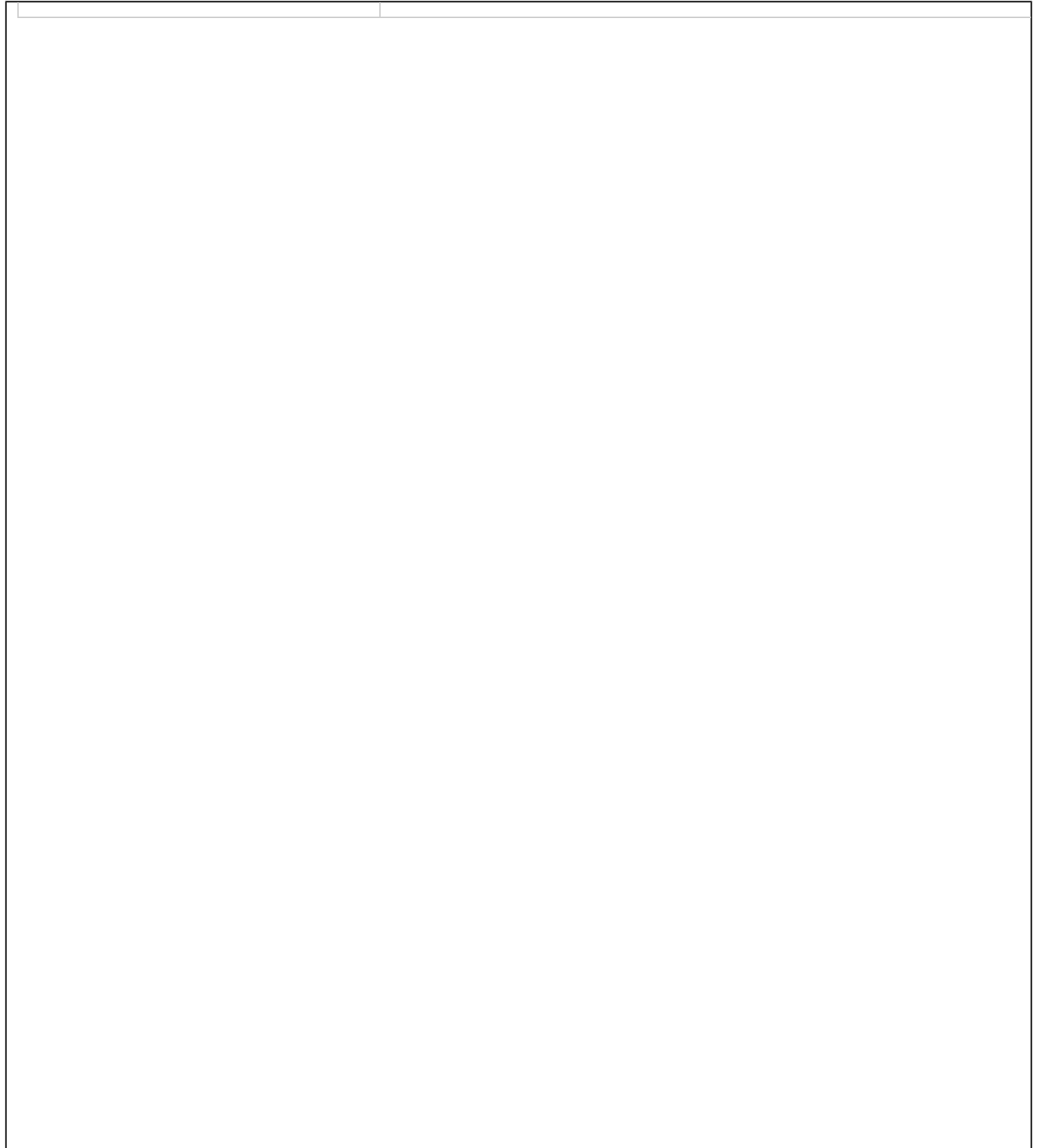
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